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SMITH COLLEGE BULLETIN



Catalogue Issue
1949-1950

NORTHAMPTON, MASSACHUSETTS

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SERIES 44

JANUARY, 1950

NUMBER 3

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NORTHAMPTON, MASSACHUSETTS

CORRESPONDENCE AND VISITORS

In the list below are the names and addresses of persons to whom inquiries of various types should be sent. Northampton, Massachusetts, is the post office address.

REQUESTS FOR CATALOGUES AND PAMPHLETS:

The Director of Admission or the Publications Secretary, Smith College

ADMISSION OF STUDENTS:

The Director of Admission, Smith College

GRADUATE STUDY AND FELLOWSHIPS:

Miss Gladys A. Anslow, College Hall 21

FOREIGN STUDENTS:

Miss Agnes C. Vaughan, College Hall 21

ROOMS IN COLLEGE HOUSES:

The Warden, Smith College

PAYMENT OF COLLEGE BILLS:

The Treasurer, Smith College

SCHOLARSHIPS AND OPPORTUNITIES FOR EARNING MONEY:

The Director of Scholarships and Student Aid, College Hall 3

LOANS FROM THE STUDENTS' AID SOCIETY:

Miss Eleanor T. Lincoln, 54 Prospect St.

QUESTIONS FROM PARENTS RELATING TO GENERAL WELFARE OF STUDENTS:

The Warden, Smith College

QUESTIONS FROM PARENTS RELATING TO HEALTH OF STUDENTS:

The College Physician, Smith College

QUESTIONS FROM PARENTS AND SCHOOLS RELATING TO SCHOLARSHIP:

The Registrar, Smith College

SMITH COLLEGE SCHOOL FOR SOCIAL WORK:

Director of the School, College Hall 8

ALUMNAE AFFAIRS:

Miss Mary S. Holt, The Alumnae House

VISITORS

Visitors are welcome at the College and student guides are available, ready to accompany them around the campus. The offices in College Hall are open Monday through Friday from 9 A.M. to 4 P.M. and on Saturday until 1 P.M. At other times members of the staff are available for interview only if an appointment is made in advance.

TABLE OF CONTENTS

	PAGE
Correspondence and Visitors	2
Yearly Calendar	4
College Calendar	5
The Board of Trustees	6
The Faculty and Staff	7
Officers of the Alumnae Association	34
Historical Sketch	35
General Information	41
Admission of Students	60
Advanced Standing	63
Noncollegiate Students	64
Auditors	64
Residence and Attendance	65
The Curriculum	68
Courses of Study	75
Graduate Study	157
Smith College School for Social Work	164
Honors and Degrees	173
Summary of Students in College	193
Schedule of Examinations	194
Index	199

1949 : 1950 : 1951

JULY 1949

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COLLEGE CALENDAR

1949-1950

Freshmen will arrive	Monday, Sept. 26
Required registration at Assembly 7:30 P.M.	Tuesday, Sept. 27
Classes begin at 9:00 A.M.	Wednesday, Sept. 28
Mountain Day (holiday)	A day subsequent to Oct. 3
Meeting of the Board of Trustees	Friday, Oct. 21

THANKSGIVING WEEK END

Wednesday, Nov. 23, 3:50 P.M. to Monday, Nov. 28, 9:00 A.M.

WINTER RECESS

Saturday, Dec. 17, 12:50 P.M. to Wednesday, Jan. 4, 9:00 A.M.

Reading period	Jan. 16-24
Free Day	Tuesday, Jan. 24
Midyear examinations	Jan. 25-Feb. 3
Second semester begins	Monday, Feb. 6
Meeting of the Board of Trustees	Friday, Feb. 17

SPRING RECESS

Saturday, Apr. 1, 12:50 P.M. to Tuesday, Apr. 11, 9:00 A.M.

Meeting of the Board of Trustees	Friday, Apr. 21
Reading period	May 9-18
Free Day	Thursday, May 18
Final examinations	May 19-29
Memorial Day (holiday)	Tuesday, May 30
Meeting of the Board of Trustees	Friday, June 2
Commencement Day	Monday, June 5

1950-1951

Freshmen will arrive	Monday, Oct. 2
Required registration at Assembly 7:30 P.M.	Tuesday, Oct. 3
Classes begin at 9:00 A.M.	Wednesday, Oct. 4

Dates are subject to change if circumstances demand.

THE BOARD OF TRUSTEES

Term Expires		
	BENJAMIN FLETCHER WRIGHT, PH.D. (<i>President</i>)	Northampton
1950	ELIZABETH CUTTER MORROW, B.L., L.H.D., LL.D., LITT.D. (<i>Chairman</i>)	Englewood, N. J.
1951	HAROLD BOIES HOSKINS, A.B.	New York
1951	THOMAS STILWELL LAMONT, A.B.	New York
1952	MORRIS FELTON LA CROIX, M.E.	Chestnut Hill
1953	LUCIA NORTON VALENTINE, A.B.	Rochester, N. Y.
1954	FRANKLIN EDDY PARKER, JR., A.B., LL.B. (<i>Vice-Chairman</i>)	New York
1955	HENRY PITNEY VAN DUSEN, PH.D., D.D.	New York
1956	FRANCIS McMASTER KNIGHT, B.A.	Highland Park, Ill.
1957	MARY PILLSBURY LORD, A.B.	New York
1959	CHARLES EDWARD WYZANSKI, JR., A.B., LL.B.	Cambridge
1950	MIRA BIGELOW WILSON, A.B., S.T.B., LL.D.	East Northfield
1952	MARTHA ALDRICH HOLLOWAY, M.S.	Seattle, Wash.
1954	AMANDA BRYAN KANE, A.B.	New York
1956	DOROTHY FOSDICK, PH.D.	Washington, D. C.

ANNETTA I. CLARK, A.B., A.M. (HON.), Secretary	Northampton
WILLIAM ALBERT BODDEN, B.A., Treasurer	Northampton

STANDING COMMITTEES OF THE TRUSTEES

EXECUTIVE COMMITTEE:

Mr Wright, Mrs Morrow, Mr Hoskins, Mr Van Dusen, Mr Parker, Mrs Kane

FINANCE:

Mr Wright, the Treasurer, Mr Lamont (chairman), Mr Parker, Mr Knight, Mr La Croix

COLLEGE HOUSES:

Miss Wilson, Mrs Valentine, Mrs Holloway, Mrs Kane, Mrs Lord, Miss Fosdick

BUILDINGS AND GROUNDS:

Mr Wright, Mrs Valentine, Mr Hoskins, Mr Knight, Mr La Croix, Miss Wilson

VACANCIES ON THE BOARD:

Mr Hoskins, Mrs Kane, Mr Wyzanski

HONORARY DEGREES:

Miss Wilson, Mrs Holloway, Mr Van Dusen

INSTRUCTION:

Mr Wright, Mrs Morrow, Mr Wyzanski, Miss Fosdick

THE SCHOOL FOR SOCIAL WORK:

Mr Van Dusen, Mrs Holloway, Mrs Lord

THE FACULTY AND STAFF

ADMINISTRATIVE OFFICERS

BENJAMIN FLETCHER WRIGHT, PH.D. <i>President</i>	8 Paradise Rd
HELEN WHITCOMB RANDALL, PH.D. <i>Dean</i>	51 College Lane
ALISON LOOMIS COOK, A.B. <i>Warden</i>	138 Elm St.
GLADYS DINGLELINE DIGGS, A.M. <i>Registrar</i>	57 Prospect St.
MARION FRANCES BOOTH, A.B., B.SC., M.D. <i>College Physician</i>	Gateway House
GLADYS AMELIA ANSLOW, PH.D. <i>Director of Graduate Study</i>	72 Dryads Green
MARY A. WAGNER, M.A. <i>Dean of the Class of 1950</i>	37 Prospect St.
LOIS EVELYN TE WINKEL, PH.D. <i>Dean of the Class of 1951</i>	4 Sanderson Av.
MARGARET ALEXANDER MARSH, A.M. <i>Dean of the Class of 1952</i>	62 Hillcrest Pl., Amherst
KATHERINE REDING WHITMORE, DOCTORA DE LA UNIVERSIDAD DE MADRID <i>Dean of the Class of 1953</i>	47 Belmont Av.
WILLIAM ALBERT BODDEN, B.A. <i>Treasurer and Controller</i>	11 Barrett Pl.
CHARLES DE BRULER, B.S. <i>Purchasing Agent</i>	10 West St.
RUTH W. CRAWFORD, A.M. <i>Director of Admission</i>	College Hall
MARY ELIZABETH MENSEL, A.B. <i>Director of Scholarships and Student Aid</i>	26 Maynard Rd
ALICE NORMA DAVIS, A.B. <i>Director of the Vocational Office</i>	36 Bedford Ter.
FRANCES LUTHER RICH, A.B. <i>Director of Public Relations</i>	8 Green Av.

ADMINISTRATIVE STAFF

MARY PARDEE ALLISON, A.B. <i>Publications Secretary</i>	32 Bedford Ter.
GRACE PAULINE ASSERSON, A.B. <i>Employment Manager</i>	Cushing House
CHARLOTTE BAUM, A.B. <i>Curator of Books and Photographs in the Department of Art</i>	57 Prospect St.

GLENNA GIBBS CADY, B.S. <i>Assistant to the Dietitian</i>	303 South St.
LEROY BACON CLAPP <i>Assistant to the Purchasing Agent</i>	120 Bridge Rd, Florence
ROBERT MERRILL DEWEY, A.M. <i>Secretary of the Faculty</i>	83 Crescent St.
VIOLETTE DURRANT DU BOSE <i>Decorator</i>	10 West St.
PHYLLIS ANN GLEASON, B.S. <i>College Dietitian</i>	300A Elm St.
ANNA BANKS HARRINGTON, A.B. <i>Assistant to the Warden</i>	41 Henshaw Av.
ELIZABETH ANN JAMES, A.M. <i>Associate Director of the Vocational Office</i>	36 Bedford Ter.
FLORENCE ISABEL MACDONALD, A.B. <i>Secretary to the Dean</i>	39 West St.
MARY MATZINGER, A.B. <i>Director of the News Office</i>	108C South St.
LOUISE MORTON, A.B. <i>Assistant Registrar</i>	36 Bedford Ter.
CATHERINE C. PRENDERGAST <i>Assistant Purchasing Agent</i>	27 Revell Av.
EMMA BROWN PROCTOR <i>Assistant Treasurer</i>	6 West St.
H. ESTELLE SMITH, A.B. <i>Executive Secretary to the Administrative Board</i>	98 Franklin St.
WARREN FREBUN WHITE <i>Chief Accountant</i>	17 South St., Williamsburg
VIRGINIA LEE WING, A.B. <i>Assistant to the Director of Admission</i>	41 Henshaw Av.
FLORENCE ELIZABETH YOUNG, A.M. <i>Executive Secretary to the Committee on Graduate Study</i>	19 Munroe St.
BARBARA ZIEGLER, A.M. <i>Secretary to the President</i>	36 Bedford Ter.

OFFICERS EMERITI

ANNA ALICE CUTLER, PH.D. <i>Professor Emeritus of Philosophy (1930)*</i>	New Haven, Ct.
HARRIET REDFIELD COBB, A.M. <i>Professor Emeritus of Mathematics (1931)</i>	12 Arnold Av.
ISABELLE WILLIAMS BARNEY, O.A. <i>Associate Professor Emeritus of French Language and Literature (1931)</i>	Whittier, Cal.
ELIZABETH DEERING HANSCOM, PH.D. <i>Professor Emeritus of English Language and Literature (1932)</i>	26 Franklin St.
ALFRED VANCE CHURCHILL, A.M. <i>Professor Emeritus of the History and Interpretation of Art (1932)</i>	38 Franklin St.
FRANK ALLAN WATERMAN, PH.D. <i>Professor Emeritus of Physics (1933)</i>	65 Paradise Rd

* Date of retirement.

- MARY LOUISE FOSTER, PH.D. Boston
Associate Professor Emeritus of Chemistry (1933)
- LOUISA SEWALL CHEEVER, A.M. Worcester
Associate Professor Emeritus of English Language and Literature (1934)
- REBECCA WILDER HOLMES, MUS.D. (HON.) Pasadena, Cal.
Professor Emeritus of Music (1936)
- MARY MERROW COOK, B.S. Jaffrey, N. H.
Associate Professor Emeritus of French Language and Literature (1936)
- AMY LOUISE BARBOUR, PH.D. Lancaster
Professor Emeritus of Greek Language and Literature (1937)
- JOSEF WIEHR, PH.D. St Petersburg, Fla.
Professor Emeritus of German Language and Literature (1937)
- MARY LILIAS RICHARDSON, A.M. West Southport, Me.
Associate Professor Emeritus of Latin Language and Literature (1937)
- CAROLINE BROWN BOURLAND, PH.D. Boston
Professor Emeritus of Spanish Language and Literature (1939)
- LOUISE DELPIT, CONCOURS CERTIFICAT LETTRES, O.A. Cherveux, France
Professor Emeritus of French Language and Literature (1940)
- NINA ELIZA BROWNE, A.M., B.L.S., LITT.D. Alumnae House
College Archivist Emeritus (1940)
- MARY BELLE McELWAIN, PH.D., LITT.D. Chambersburg, Pa.
Professor Emeritus of Classical Languages and Literatures (1942)
- FLORENCE ALDEN GRAGG, PH.D. Lancaster
Professor Emeritus of Classical Languages and Literatures (1943)
- MARY DUNHAM, M.A. Camden, Del.
Librarian Emeritus (1943)
- LAURA WOOLSEY LORD SCALES, B.L., L.H.D., LITT.D. 57 Prospect St.
Warden Emeritus (1944)
- ANNA ADÈLE CHENOT, A.M. 367 Prospect St.
Associate Professor Emeritus of French Language and Literature (1944)
- LUCY LORD BARRANGON, A.M. Crestwood, N. Y.
Associate Professor Emeritus of Art (1944)
- ARTHUR TABER JONES, PH.D. 78 N. Elm St.
Professor Emeritus of Physics (1945)
- RICHARD ASHLEY RICE, A.M. 47 Dryads Green
Professor Emeritus of English Language and Literature (1946)
- WILLIAM DODGE GRAY, PH.D. 22 Round Hill Rd
Professor Emeritus of History (1946)
- FRANK HAMILTON HANKINS, PH.D. 197 Elm St.
Professor Emeritus of Sociology (1946)
- GRACE HAZARD CONKLING, B.L., A.M. (HON.) 31 Maynard Rd
Professor Emeritus of English Language and Literature (1946)
- MARGARET GALE SCOTT, M.A. 21 Dryads Green
Associate Professor Emeritus of History (1946)
- HELEN ASHHURST CHOATE, PH.D. 226 Crescent St.
Associate Professor Emeritus of Botany (1947)
- H. LOUISA BILLINGS, A.M. 68 Main St., Hatfield
Associate Professor Emeritus of Physics (1947)
- MARGARET LE BRETON ROOKE, M.A. North Woolton, England
Professor Emeritus of Italian Language and Literature (1948)

EMILY LEDYARD SHIELDS, PH.D. <i>Professor Emeritus of Classical Languages and Literatures</i> (1948)	Wilmington, N. C.
SUSAN MILLER RAMBO, PH.D. <i>Professor Emeritus of Mathematics</i> (1948)	71 Ridgewood Ter.
JOY SECOR, A.M. <i>Registrar Emeritus</i> (1948)	240 Crescent St.
WILSON TOWNSEND MOOG, B.A., MUS.B. <i>Professor Emeritus of Music</i> (1949)	98 Bancroft Rd
EDNA ASTON SHEARER, PH.D. <i>Professor Emeritus of Philosophy</i> (1949)	21 Dryads Green
ELEANOR SHIPLEY DUCKETT, PH.D., D.LIT., L.H.D. <i>Professor Emeritus of Classical Languages and Literatures</i> (1949)	Wilder House
YVONNE IMBAULT-HUART, BI-ADMISSIBILITÉ À L'AGRÉGATION, O.A. <i>Associate Professor Emeritus of French Language and Literature</i> (1949)	Paris, France

THE FACULTY

(Arranged within each rank in alphabetical order, with date of appointment to the present rank. † Absent for the year; * absent for the first semester; ** absent for the second semester; ‡ with the Juniors in France; § in Mexico; § in Geneva; | in Italy; ¹ appointed for the first semester; ² appointed for the second semester.)

PROFESSORS

(and Officers of Equivalent Rank)

BENJAMIN FLETCHER WRIGHT, PH.D. <i>President and Professor of Government</i> (1949)	8 Paradise Rd
DOROTHY SEARS AINSWORTH, PH.D. <i>Professor of Physical Education</i> (1937)	15 Barrett Pl.
GLADYS AMELIA ANSLOW, PH.D. <i>Professor of Physics on the Gates Foundation</i> (1936) and <i>Director of Graduate Study</i>	72 Dryads Green
NEWTON ARVIN, A.B. <i>Professor of English Language and Literature</i> (1940)	45 Prospect St.
DOROTHY CAROLIN BACON, PH.D. <i>Professor of Economics</i> (1938)	Capen House
ALBERT FRANCIS BLAKESLEE, PH.D., SC.D. (HON.), LL.D. <i>Visiting Professor of Botany and Director of the Smith College Genetics Experiment Station</i> (1942)	32 Paradise Rd
MARION FRANCES BOOTH, A.B., B.SC., M.D. <i>College Physician and Professor of Hygiene and Bacteriology</i> (1944)	Gateway House
OETS KOLK BOUWSMA, PH.D. <i>Visiting Professor of Philosophy</i> (1949)	115 Elm St.
GLADYS EUGENIA BRYSON, PH.D. <i>Professor of Sociology</i> (1940)	Lawrence House
*C. PAULINE BURT, PH.D., SC.D. (HON.) <i>Professor of Chemistry</i> (1937)	101 Prospect St.
JESSIE YEREANCE CANN, PH.D. <i>Professor of Chemistry</i> (1929)	36 Bedford Ter.
HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS <i>Professor of French Language and Literature</i> (1939)	Chesterfield
**MARY ELLEN CHASE, PH.D., LITT.D., L.H.D. <i>Professor of English Language and Literature</i> (1929)	Wilder House
ANNETTA I. CLARK, A.B., A.M. (HON.) <i>Secretary of the Board of Trustees</i> (1924)	146 Elm St.

- †MARY EVELYN CLARKE, PH.D.
Professor of Philosophy (1937)
 138 Elm St.
- ALISON LOOMIS COOK, A.B.
Warden (1944)
 36 Paradise Rd
- HALLIE FLANAGAN DAVIS, A.M., L.H.D.
Professor of Drama and Director of Theatre (1942)
 70 N. Elm St.
- FLORENCE ROBERTS DAY, M.SC. (SOC. ADMIN.)
Director of the Smith College School for Social Work (1943)
 54 Prospect St.
- *DOROTHY WOLFF DOUGLAS, PH.D.
Professor of Economics (1946)
 10 Prospect St.
- ELIZABETH DREW, B.A.
Visiting Professor of English Language and Literature (1947)
 119 Prospect St.
- *ERNEST CHARLES DRIVER, PH.D.
Professor of Zoology (1945)
 58 Paradise Rd
- JOHN WOODS DUKE
Professor of Music (1938)
 82 Massasoit St.
- ESTHER CLOUDMAN DUNN, PH.D.
*Professor of English Language and Literature on the
 Mary Augusta Jordan Foundation* (1927)
 28 Roe Av.
- ALFRED EINSTEIN, DR. PHIL.
William Allan Neilson Research Professor in Music (1939)
 31 Dryads Green
- SAMUEL ATKINS ELIOT, JR., A.B.
Professor of English Language and Literature (1946)
 170 West St.
- ALVIN DERAUD ETTLER, MUS.B.
Professor of Music (1949)
 26 Barrett Pl.
- **HAROLD UNDERWOOD FAULKNER, PH.D., L.H.D.
Professor of History on the Dwight W. Morrow Foundation (1931)
 26 Maynard Rd
- LEONA CHRISTINE GABEL, PH.D.
Professor of History (1940)
 21 Henshaw Av.
- **PAUL GERALD GRAHAM, PH.D.
Professor of German Language and Literature (1943)
 66 Massasoit St.
- MARGARET STORRS GRIERSON, PH.D.
*College Archivist, Executive Secretary of the Association of
 Friends of the Library, and Director of the Sophia Smith Collection* (1948)
 66 Paradise Rd
- VINCENT GUILLON, AGRÉGÉ DE L'UNIVERSITÉ
*Professor of French Language and Literature on the
 Helen and Laura Shedd Foundation* (1929)
 71 Dryads Green
- LELAND HALL, M.A.
Professor of Music (1934)
 307 Prospect Heights
- SAMUEL RALPH HARLOW, PH.D.
*Professor of Religion and Biblical Literature on the
 Charles N. Clark Foundation* (1923)
 231 Crescent St.
- CHARLES JARVIS HILL, PH.D.
Professor of English Language and Literature (1944)
 8 West St.
- HENRY-RUSSELL HITCHCOCK, A.M.
Acting Director of the Smith College Museum of Art (1948)
 16 Paradise Rd
- ALICE M. HOLDEN, PH.D.
Professor of Government (1946)
 Wilder House
- VERA BROWN HOLMES, PH.D.
Professor of History (1931)

- HAROLD EDWARD ISRAEL, PH.D. 42 West St.
Professor of Psychology (1937)
- MARGARET LOUISE JOHNSON, A.B., B.S. 26 Bedford Ter.
Librarian (1948)
- CLARENCE KENNEDY, PH.D. 44 Pomeroy Ter.
Professor of Art (1931)
- RUTH LEE KENNEDY, PH.D. 20 Franklin St.
Professor of Spanish Language and Literature (1944)
- †HANS KOHN, DR. JUR. 65 Bridge St.
Professor of History on the Sydenham Clark Parsons Foundation (1934)
- OLIVER WATERMAN LARKIN, A.M. 62 Kensington Av.
Professor of Art (1931)
- *PAUL ROBERT LIEDER, PH.D. 96 Round Hill Rd
Professor of English Language and Literature (1925)
- ARTHUR WARE LOCKE, A.M. 21 Dryads Green
Professor of Music on the Henry Dike Sleeper Foundation (1921)
- ESTHER LOWENTHAL, PH.D. 53 Ridgewood Ter.
Professor of Economics on the Robert A. Woods Foundation (1921)
- NEAL HENRY MCCOY, PH.D. 27 Langworthy Rd
Professor of Mathematics (1942)
- †HOWARD AUGUSTUS MEYERHOFF, PH.D. 69 Belmont Av.
Professor of Geology and Geography (1934)
- NORA MAY MOHLER, PH.D. Hubbard House
Professor of Physics (1946)
- HELEN MUCHNIC, PH.D. 129 Vernon St.
Professor of Russian Language and Literature (1947)
- ABBIE MABEL O'KEEFE, M.D. 45 Ward Av.
Associate Physician and Professor of Hygiene and Bacteriology (1929)
- WILLIAM AYLOTT ORTON, M.A., D.SC. (ECON.), LL.D. 250 Elm St.
Professor of Economics (1922)
- SIDNEY RAYMOND PACKARD, PH.D. 4 Barrett Pl.
Professor of History (1930)
- HOWARD MADISON PARSHLEY, S.D. 51 College Lane
Professor of Zoology (1925)
- HOWARD ROLLIN PATCH, PH.D., LITT.D. 8 Green Av.
Professor of English Language and Literature (1924)
- HELEN WHITCOMB RANDALL, PH.D. 32 Barrett Pl.
Dean and Professor of English Language and Literature (1948)
- FRANCES LUTHER RICH, A.B. 55 Prospect St.
Director of Public Relations (1947)
- SOLON ROBINSON 65 Ward Av.
Professor of Music (1940)
- MYRA MELISSA SAMPSON, PH.D. 49 Dryads Green
Professor of Zoology (1929)
- VINCENT M. SCRAMUZZA, PH.D. 58 Paradise Rd
Professor of History (1943)
- VERA A. SICKELS, A.M.
Professor of Speech (1947)
- DORIS SILBERT, A.M.
Professor of Music (1946)

WILLIAM SENTMAN TAYLOR, PH.D. <i>Professor of Psychology</i> (1926)	55 Dryads Green
AGNES CARR VAUGHAN, PH.D. <i>Professor of Classical Languages and Literatures</i> (1945)	Tyler House
SETH WAKEMAN, PH.D. <i>Professor of Education and Child Study</i> (1925)	58 Paradise Rd
¹ COLSTON ESTEY WARNE, PH.D. <i>Visiting Professor of Economics</i> (1949)	77 Dana St., Amherst
EDGAR WIND, PH.D. <i>Professor of Philosophy and of Art</i> (1948)	35 Woodlawn Av.
ROBERT WITHINGTON, PH.D., OFFICIER DE L'INSTRUCTION PUBLIQUE <i>Professor of English Language and Literature</i> (1925)	63 Dryads Green
F. WARREN WRIGHT, PH.D. <i>Professor of Classical Languages and Literatures</i> (1937)	42 Franklin St.

ASSOCIATE PROFESSORS

(and Officers of Equivalent Rank)

DANIEL AARON, PH.D. <i>Associate Professor of English Language and Literature</i> (1946)	85 Washington Av.
SARA BACHE-WIIG, PH.D. <i>Associate Professor of Botany</i> (1934)	36 Prospect Av.
LOUISE MARIE BOURGOIN, LIC. ÈS L., O.A. <i>Associate Professor of French Language and Literature</i> (1930)	231 Elm St.
CLIFFORD RICHARDSON BRAGDON, A.M., ED.M. <i>Associate Professor of Education and Child Study</i> (1946)	38 Paradise Rd
EDITH BURNETT, B.S. <i>Associate Professor of Theatre (Dance)</i> (1932)	59 Dryads Green
MICHELE F. CANTARELLA, A.M. <i>Associate Professor of Italian Language and Literature</i> (1939)	51 Belmont Av.
ESTHER CARPENTER, PH.D. <i>Associate Professor of Zoology</i> (1943)	55 Prospect St.
GWENDOLEN MARGARET CARTER, PH.D. <i>Associate Professor of Government</i> (1947)	58 Harrison Av.
WILLIAM ARMISTEAD CHRISTIAN, PH.D. <i>Associate Professor of Religion and Biblical Literature</i> (1944)	148 Crescent St.
HERBERT ARNOLD CLARK, ED.M. <i>Associate Professor of Education and Child Study</i> (1949)	29 Arlington St.
ROBERT FRANK COLLINS, A.M. <i>Associate Professor of Geology and Geography</i> (1935)	33 North St., Williamsburg
VIRGINIA CORWIN, B.D., PH.D. <i>Associate Professor of Religion and Biblical Literature</i> (1942)	73 Prospect St.
MARGARET BRACKENBURY CROOK, B.A. <i>Associate Professor of Religion and Biblical Literature</i> (1923)	30 Washington Av.
*ROBERT GORHAM DAVIS, A.M. <i>Associate Professor of English Language and Literature</i> (1945)	96 Maynard Rd
BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO <i>Associate Professor of Music</i> (1943)	142 Green St.
NEAL BREAULE DE NOOD, PH.D. <i>Associate Professor of Sociology</i> (1943)	Box 145, Haydenville

- MARION DE RONDE, A.B.
Associate Professor of Music (1946) 59 Dryads Green
- DAVID DONALD, PH.D.
Associate Professor of History (1949) 32 Bedford Ter.
- ALFRED YOUNG FISHER, DOCTEUR DE L'UNIVERSITÉ DE DIJON
Associate Professor of English Language and Literature (1943) 54 Kensington Av.
- ELIZABETH ANDROS FOSTER, PH.D.
Associate Professor of Spanish Language and Literature (1926) 281 Crescent St.
- *ELIZABETH FAITH GENUNG, M.S. IN AGR.
Associate Professor of Bacteriology (1926) 41 West St.
- GERTRUDE GOSS
Associate Professor of Physical Education (1939) Jordan House
- RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ DE PARIS
Associate Professor of French Language and Literature (1926) 70 Washington Av.
- MADELEINE GUILLOTON, LIC. ÈS L., A.M.
Associate Professor of French Language and Literature (1931) 66 Paradise Rd
- ANNA M. HAMLIN
Associate Professor of Music (1947) 62 Kensington Av.
- ELIZABETH SANDERS HOBBS, D.SC.
Associate Professor of Zoology (1946) Williamsburg
- KATHERINE GEE HORNBEEK, PH.D.
Associate Professor of English Language and Literature (1941) Martha Wilson House
- RICHARD EDWARD JOHNSON, PH.D.
Associate Professor of Mathematics (1947) 75 Dryads Green
- MERVIN JULES
Associate Professor of Art (1946) 210 Elm St.
- MARGARET KEMP, PH.D.
Associate Professor of Botany (1946) Chapin House
- CAROLINE HEMINWAY KIERSTEAD, PH.D.
Associate Professor of Geology and Geography (1940) 41 Harrison Av.
- KATE RIES KOCH, A.M., M.L.D.
Associate Professor of Landscape Architecture (1927) 48 Ward Av.
- *ELISABETH KOFFKA, PH.D.
Associate Professor of History (1944)
- **LIZBETH R. LAUGHTON, B.A.
Associate Professor of Speech (1925) 76 Crescent St.
- §RUTH CATHERINE LAWSON, PH.D.
Associate Professor of Government (1949) Switzerland
- ALICE AMBROSE LAZEROWITZ, PH.D.
Associate Professor of Philosophy (1943) 69 Lyman Rd
- MORRIS LAZEROWITZ, PH.D.
Associate Professor of Philosophy (1946) 69 Lyman Rd
- PHYLLIS WILLIAMS LEHMANN, PH.D.
Associate Professor of Art (1949) 32 Bedford Ter.
- MARINE LELAND, PH.D.
Associate Professor of French Language and Literature (1935) 66 Massasoit St.
- ELEANOR TERRY LINCOLN, PH.D.
Associate Professor of English Language and Literature (1944) 54 Prospect St.
- FRANCES CAMPBELL MCINNES, A.M., M.D.
Associate Physician (1937) 101 Prospect St.

- MARGARET ALEXANDER MARSH, A.M. 62 Hillcrest Pl., Amherst
Associate Professor of Sociology (1944) and Dean of the Class of 1952
- †ANN ELIZABETH MENSEL, M.A.
Associate Professor of German Language and Literature (1934) 57 Crescent St.
- CHARLES HUNT PAGE, PH.D.
Associate Professor of Sociology (1947) 75 Harrison Av.
- WOLFGANG PAULSEN, PH.D.
Associate Professor of German Language and Literature (1947)
- HELEN JEANNETTE PEIRCE, A.M. Morrow House
Associate Professor of Spanish and Portuguese Languages and Literatures (1944)
- †MARGARET HILL PEOPLES, PH.D.
Associate Professor of French Language and Literature (1934) 52 Ward Av.
- RAYMOND PUTMAN
Associate Professor of Music (1937)
- KARL SCOTT PUTNAM, B.S. IN ARCH. 176 South St.
Associate Professor of Architecture (1939)
- †JOHN CALYER RANNEY, PH.D.
Associate Professor of Government (1947)
- HELEN EVANGELINE REES, ED.D. 96 State St.
Associate Professor of Education and Child Study (1949)
and Director of the Smith College Day School
- LOUISE ROOD, A.M. 75 West St.
Associate Professor of Music (1946)
- †ANNELIES ARGELANDER ROSE, PH.D.
Associate Professor of Psychology and of Education and Child Study (1945)
- STANLEY CURTIS ROSS, A.B., LL.D. Williamsburg
Associate Professor of Economics (1948)
- HELEN LOUISE RUSSELL, PH.D. 55 Crescent St.
Associate Professor of Physical Education (1947)
- FLORENCE MARIE RYDER, M.S. 51 Henshaw Av.
Associate Professor of Physical Education (1943)
- ||A. JEANNE SALEIL, AGRÉGÉE DE L'UNIVERSITÉ France
Associate Professor of French Language and Literature (1940)
- MAX SALVADORI, DR. SC. (POL.) 57 Dryads Green
Associate Professor of History (1949)
- SOPHIE SATIN, SC.D. (HON.) 32 Paradise Rd
Visiting Associate Professor of Botany (1944)
- WILLIAM BEAUMONT SCATCHARD, B.MUS., B.S. 984 Memorial Dr., Cambridge 38
Associate Professor of Music (1940)
- *MARIE SCHNIEDERS, PH.D.
Associate Professor of German Language and Literature (1945)
- **K. FRANCES SCOTT, PH.B., M.D. 32 Gothic St.
Associate Professor of Hygiene (1927)
- BENJAMIN MARTIN SHAUB, PH.D. 159 Elm St.
Associate Professor of Geology and Geography (1940)
- †KENNETH WAYNE SHERK, PH.D.
Associate Professor of Chemistry (1943)
- ELSA MARGAREETA SIIPOLA, PH.D. 42 West St.
Associate Professor of Psychology (1945)

- †ELINOR VAN DORN SMITH, PH.D.
Associate Professor of Bacteriology (1944)
 GERTRUDE PARKER SMITH, A.M. 76 Crescent St.
Associate Professor of Music (1946)
 DENTON M. SNYDER, M.A. 13 Green Av.
Technical Director, Theatre (1945)
 †MARTHE STURM, LIC. ÈS L., DIPLOME D'ÉTUDES SUPÉRIEURES
Associate Professor of French Language and Literature (1931)
 LOIS EVELYN TE WINKEL, PH.D. 4 Sanderson Av.
Associate Professor of Zoology (1943) and *Dean of the Class of 1951*
 FRANK DAY TUTTLE, M.F.A. 57 Bridge St.
Associate Professor of Theatre (1947)
 †PRISCILLA PAINE VAN DER POEL, A.M.
Associate Professor of Art (1945)
 ANACLETA CANDIDA VEZZETTI, DOTTORE IN FILOSOFIA E PEDAGOGIA Haven House
Associate Professor of Italian Language and Literature (1934)
 MARY A. WAGNER, M.A. 37 Prospect St.
Associate Professor of Education and Child Study (1941),
Director of the Elisabeth Morrow Morgan Nursery School,
and Dean of the Class of 1950
 DOROTHY WALSH, PH.D. 66 West St.
Associate Professor of Philosophy (1947)
 KATHERINE REDING WHITMORE, DOCTORA DE LA UNIVERSIDAD DE MADRID
Associate Professor of Spanish Language and Literature (1937) 47 Belmont Av.
and Dean of the Class of 1953
 EDWARD F. WILLETT, PH.D. 235 Crescent St.
Associate Professor of Economics (1943)
 EDNA REES WILLIAMS, PH.D. 73 Prospect St.
Associate Professor of English Language and Literature (1944)
 MARJORIE WILLIAMS, PH.D. 26 Bedford Ter.
Associate Professor of Astronomy (1942) and *Director of the Observatory*
 JEAN STRACHAN WILSON, PH.D. 58 Paradise Rd
Associate Professor of History (1940)
 KENNETH E. WRIGHT, PH.D. 91 Woodlawn Av.
Associate Professor of Botany (1946)
 RUTH ELIZABETH YOUNG, A.M. Italy
Associate Professor of Italian Language and Literature (1937)
 MIGUEL ZAPATA Y TORRES, PH.D. 10 Langworthy Rd
Associate Professor of Spanish Language and Literature (1928)

ASSISTANT PROFESSORS

(and Officers of Equivalent Rank)

- ANITA LURIA ASCHER, PH.D. German House
Assistant Professor of German Language and Literature (1947)
 BERNARD BARBER, PH.D. 47 Summer St.
Assistant Professor of Sociology (1949)
 †ELEANOR DODGE BARTON, A.M.
Assistant Professor of Art (1948)

- LORRAINE WINEOW BENNER, A.M.
Assistant Professor of Education and Child Study (1948)
and Teacher in the Elisabeth Morrow Morgan Nursery School
 47 Belmont Av.
- ¹HARRY DOBER, PH.D.
Assistant Professor of Art (1949)
 36 Paradise Rd
- LAURA ANNA BORNHOLDT, PH.D.
Assistant Professor of History (1948)
 Clark House
- LOUISE PADDON BUCKNER, B.S., M.D.
Assistant Physician (1949)
 10 West St.
- H. GEORGE COHEN
Assistant Professor of Art (1944)
 62 Kensington Av.
- WILLIAM GRAHAM COLE, A.B., B.D.
Chaplain and Assistant Professor of Religion and Biblical Literature (1947)
 7 College Lane
- RUTH W. CRAWFORD, A.M.
Director of Admission (1929)
 College Hall
- MIRIAM EUGENIA CROWLEY, PH.D.
Assistant Professor of Psychology (1947)
 26 Bedford Ter.
- ALICE NORMA DAVIS, A.B.
Director of the Vocational Office (1947)
 36 Bedford Ter.
- ANNE LEE DELANO, A.M.
Assistant Professor of Physical Education (1946)
 Gateway House
- ROBERT MERRILL DEWEY, A.M.
Secretary of the Faculty (1921)
 83 Crescent St.
- GLADYS DINGLELINE DIGGS, A.M.
Registrar (1948)
 57 Prospect St.
- GEORGE BRENDAN DOWELL, A.M.
Assistant Professor of Theatre (1949)
 36 Paradise Rd
- GEORGE STONE DURHAM, PH.D.
Assistant Professor of Chemistry (1945)
 Village Hill Rd, Williamsburg
- VICENTE GAOS, DOCTOR EN FILOSOFÍA Y LETRAS
Assistant Professor of Spanish Language and Literature (1948)
 296 Main St.
- ANNE GASOOL, A.M.
Assistant Professor of French Language and Literature (1937)
 Comstock House
- JOCELYN RUTH GILL, S.M.
Assistant Professor of Astronomy (1949)
 Laura Scales House
- JEANNE SEIGNEUR GUIET, A.M.
Assistant Professor of French Language and Literature (1932)
 70 Washington Av.
- IDA DECK HAIGH
Assistant Professor of Music (1942)
 76 Crescent St.
- RUTH VICTORIA HEMENWAY, M.D.
Assistant Physician (1948)
 Williamsburg
- B. ELIZABETH HORNER, PH.D.
Assistant Professor of Zoology (1948)
 11 Henshaw Av.
- EVELYN F. JENNINGS, B.S.
Assistant Professor of Physical Education (1937)
 115 Elm St.
- RANDOLPH WARDELL JOHNSTON
Assistant Professor of Art (1944)
 Hillside Rd, South Deerfield
- †JUSTA ARROYO LÓPEZ-REY, LICENCIATURA DE QUÍMICA, A.M.
Assistant Professor of Spanish Language and Literature (1945)

LILLY LORENTZ, PH.D. <i>Assistant Professor of Physics</i> (1946)	26 Bedford Ter.
LILLIAN M. MANCINI, A.M. <i>Assistant Professor of Physical Education</i> (1947)	10 West St.
‡JOAQUINA NAVARRO, A.M. <i>Assistant Professor of Spanish Language and Literature</i> (1949)	Mexico
ELIZABETH WARREN OLMSTED, A.M. <i>Assistant Professor of Geology and Geography</i> (1945)	119 Prospect Av.
ANNE FRANCES O'NEILL, PH.D. <i>Assistant Professor of Mathematics</i> (1947)	115 Elm St.
CATHERINE A. PASTUHOVA, PH.D. <i>Assistant Professor of Russian Language and Literature</i> (1945)	58 Kensington Av.
JACK WALTER PELTASON, PH.D. <i>Assistant Professor of Government</i> (1948)	142 Green St.
ELIZABETH DOROTHY ROBINTON, A.M. <i>Assistant Professor of Bacteriology</i> (1948)	96 State St.
JANE ELEANOR RUBY, A.M. <i>Assistant Professor of History</i> (1948)	8 Green Av.
MARSHALL SCHALK, PH.D. <i>Assistant Professor of Geology and Geography</i> (1941)	74 Lyman Rd
WILLIAM TAUSSIG SCOTT, PH.D. <i>Assistant Professor of Physics</i> (1946)	64 Kensington Av.
IRVING EDWARD SIGEL, A.M. <i>Assistant Professor of Psychology</i> (1949)	142 Green St.
MILTON DAVID SOFFER, PH.D. <i>Assistant Professor of Chemistry</i> (1944)	108C South St.
ALICE SPERDUTI, PH.D. <i>Assistant Professor of Classical Languages and Literatures</i> (1948)	Northrop House
HELEN STOBBE, PH.D. <i>Assistant Professor of Geology and Geography</i> (1940)	Morris House
ESTHER BERTHA SYLVIA, D.M.L. <i>Assistant Professor of Spanish Language and Literature</i> (1946)	Laura Scales House
PATRICIA URNER, A.M. <i>Assistant Professor of Physical Education</i> (1949)	55 Crescent St.

LECTURERS

CÉSAR LOMBARDI BARBER, A.B. <i>Visiting Lecturer in English Language and Literature</i> (1949)	91 Sunset Av., Amherst
RONALD JEREMIAH DARBY, ED.M. <i>Lecturer in Education and Child Study</i> (1938)	15 Washington Av.
RUTH EVANS, A.M., M.P.E. (HON.) <i>Lecturer in Physical Education</i> (1936)	326 Forest Park Av., Springfield
*ROGER WELLINGTON HOLMES, PH.D. <i>Visiting Lecturer in Philosophy</i> (1947)	3 Stanton Av., South Hadley
CLARENCE V. HUDGINS, PH.D. <i>Visiting Lecturer in Speech</i> (1948)	82 Jackson St.
RUTH WEDGWOOD KENNEDY, A.B. <i>Lecturer in Art</i> (1941)	44 Pomeroy Ter.
*MICHEL MOHRT, LICENCIÉ EN DROIT <i>Visiting Lecturer in French Language and Literature</i> (1949)	

- VIRGINIA CHASE PERKINS, A.M. 55 Prospect St.
Visiting Lecturer in English Language and Literature (1949)
- FRANK HORACE REITER, PH.D. 88 Round Hill Rd
Lecturer in Education and Child Study (1948)
- MARY CHENEY STEPHENSON, ED.M. 55 Fernleaf Av., Longmeadow
Visiting Director of the Educational Clinic (1949)
- MINNIE MARION STINSON, B.S. IN ED. 19 Washington Av.
Lecturer in Education and Child Study (1947)
- NICOLAI S. VOROBIOV, PH.D. 61 Paradise Rd
Visiting Lecturer in Russian Language and Literature (1949)
- DOROTHY WRINCH, D.SC. 33 Kendrick Pl., Amherst
Lecturer in Physics (1941)

INSTRUCTORS

- SABINE J. BASS, A.M. 3 Hadley St., South Hadley
Instructor in German (1948)
- ALICE LOUISE BENJAMIN, A.M. Gardiner House
Instructor in French Language and Literature (1946)
- RITA MAY BENSON, M.S. IN H.P.E. 159 Elm St.
Instructor in Physical Education (1946)
- MARIE EDITH BORROFF, A.M. Talbot House
Instructor in English Language and Literature (1948)
- PATRICIA LYNN BROWN, M.A. Hopkins House A
Instructor in Chemistry (1949)
- ELIZABETH THOMPSON BUNCE, A.M. 119 Prospect Av.
Instructor in Physics (1949)
- ETTIE LEN TOY CHIN, A.M. 17 Henshaw Av.
Instructor in Physical Education (1944)
- RUTH BUCHANAN EDDY, M.S. IN PHY. ED. Wesley House
Instructor in Physical Education (1948)
- CHARLOTTE HACKSTAFF FITCH, A.B. Ellen Emerson House
Instructor in Speech (1948)
- D. JOAN GRIFFITHS, A.M. 26 Bedford Ter.
Instructor in English Language and Literature (1944)
- JOHN KENNEDY HANKS, B.S. 49 Dryads Green
Instructor in Music (1948)
- IVA DEE HIATT, M.A. Gillett House
Director of Choral Music (1948)
- ELIZABETH ANN JAMES, A.M. 36 Bedford Ter.
Associate Director of Vocational Office (1947)
- CECELIA MARIE KENYON, PH.D. Albright House
Instructor in Government (1948)
- BARBARA HOPKINS LEONARD, PH.D. 79 Elm St.
Instructor in Zoology (1945)
- DENAH LEVY, A.M. Washburn House
Instructor in Spanish Language and Literature (1945)
- ALBERT PIERPONT MADEIRA, M.A. 58 Kensington Av.
Instructor in English Language and Literature (1948)
- RUTH TEMPLETON MURDOCH, A.M., CERT. D'APTITUDE AU L'ENSEIGNEMENT DU
 FRANÇAIS À L'ÉTRANGER Dawes House
Instructor in French Language and Literature (1945)

MARTHA COLEMAN MYERS, B.S. <i>Instructor in Physical Education</i> (1948)	267 Crescent St.
CARYL MIRIAM NEWHOF, B.S. IN PHY. ED. <i>Instructor in Physical Education</i> (1948)	122 Green St.
BENJAMIN LAWRENCE REID, A.B. <i>Instructor in English Language and Literature</i> (1948)	South St., Williamsburg
HELENE SOMMERFELD, A.M. <i>Instructor in German Language and Literature</i> (1939)	222 Elm St.
RUTH ARLENE SWEEZEY, B.S. <i>Instructor in Physical Education</i> (1945)	10 West St.
*EDGAR FRANCIS TABER, JR., A.M. <i>Instructor in Economics</i> (1947)	88 Lyman Rd
MARTHA VAN HOESEN TABER, A.M. <i>Instructor in Economics</i> (1947)	88 Lyman Rd
MARGARET ANN THORSEN, M.S. IN H.P.E. <i>Instructor in Physical Education</i> (1947)	159 Elm St.
MARGERY ANN WILLIAMS, A.M. <i>Instructor in Art</i> (1948)	Baldwin House
<hr/>	
MARIA TERESA ARRIGHI, DOTTORE IN LETTERE <i>Instructor in Italian Language and Literature</i> (1949)	Franklin King House
BETTY ANN BACHMAN, M.A. <i>Instructor in Bacteriology</i> (1949)	Sunnyside
EDITH BETTS, B.S. <i>Instructor in Physical Education</i> (1949)	Wallace House
GEORGE BIGLER BOSWELL, A.M. <i>Instructor in French Language and Literature</i> (1949)	2 Fort St.
MIRIAM WALDRON BRAINARD, A.M. <i>Instructor in Psychology</i> (1949)	26 Bedford Ter.
WILSIE FLORENCE BUSSELL, M.A. <i>Instructor in French Language and Literature</i> (1949)	Franklin King House
JEAN KELSEY CAMPBELL, B.S. <i>Instructor in Physical Education</i> (1949)	300 Elm St.
LOIS JEAN CARL, PH.D. <i>Instructor in Psychology and in Education and Child Study</i> (1949)	57 Crescent St.
CORNELIA CERF, A.B. <i>Instructor in Theatre (Dance)</i> (1949)	42 West St.
MARIE N. CHRISTODOULOU, M.A. <i>Instructor in Philosophy</i> (1949)	Park Annex
DOROTHY H. DRISCOLL, A.M. <i>Instructor in Zoology</i> (1949)	North Rd, Westhampton
THELMA H. DUNNEBACKE, A.M. <i>Instructor in Zoology</i> (1949)	159 Elm St.
MARY E. WEBER GOSS, M.A. <i>Instructor in Sociology</i> (1949)	40 Churchill St., Amherst
PATRICIA ANNE GRISWOLD, A.B. <i>Instructor in Chemistry</i> (1949)	Parsons Annex
NELLY SCHARGO HOYT, PH.D. <i>Instructor in History</i> (1949)	76 Elm St.

THEODORE KAZANOFF, A.M. <i>Instructor in Theatre</i> (1949)	265 Elm St.
MARTHA LEEB, A.B. <i>Instructor in Art</i> (1949)	32 Bedford Ter.
WILLIAM EDWARD LEUCHTENBURG, A.M. <i>Instructor in Government</i> (1949)	17 Belmont Av.
MIRIAM ILGOVSKY LEVETON, A.M. <i>Instructor in Psychology</i> (1949)	81 Bridge St.
LOUIS MANZI, A.B. <i>Instructor in Art</i> (1949)	99 Crescent St.
ROBERT PRESTON NEWMAN, B.A. <i>Instructor in Speech</i> (1949)	36 Paradise Rd
EVELYN PAGE, M.A. <i>Instructor in English Language and Literature</i> (1949)	55 Prospect St.
GRETCHEN PAULUS, M.A. <i>Instructor in English Language and Literature</i> (1949)	Hopkins House
ROBERT OTTO PREYER, A.M. <i>Instructor in English Language and Literature</i> (1949)	61 Paradise Rd
MORTON IRVING SEIDEN, A.M. <i>Instructor in English Language and Literature</i> (1949)	10 Prospect St.
ELFRIEDE JOHANNA SMOLA, LEHRAMTSPRÜFUNG <i>Instructor in Physical Education</i> (1949)	Martha Wilson House
ROBERT STANLEY SWAN, MUS. B. <i>Instructor in Music</i> (1949)	20 Ridgewood Pl., Springfield
JOHN PAUL TREVITHICK, M.A. <i>Instructor in Government</i> (1949)	8 Green Av.
BAYLY TURLINGTON, PH.D. <i>Instructor in Classical Languages and Literatures</i> (1949)	153 Elm St.
PHYLLIS BURROWS TURNBULL, A.M. <i>Instructor in Spanish Language and Literature</i> (1949)	296 Main St.
GRIETA VORSTER VAN DER WALT, B.A. <i>Instructor in Physical Education</i> (1949)	Fort Hill
KLEMENS VON KLEMPERER, PH.D. <i>Instructor in History</i> (1949)	58 Paradise Rd
A. YVONNE WERNER, M.S. <i>Instructor in Zoology</i> (1949)	67 Prospect St.
KATHLEEN BUTCHER WHITEHEAD, PH.D. <i>Instructor in Mathematics</i> (1949)	249 Crescent St.

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DORIS ELIZABETH ABRAMSON, B.A. <i>Teaching Fellow and Production Secretary in Theatre</i>	122 Green St.
MARY ANN AIKEN, B.S. <i>Teaching Fellow in Bacteriology</i>	Graduate House
MARJORIE LOUISE BONSTEIN, A.B. <i>Teaching Fellow in Theatre</i>	22 Belmont Av.
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MILDRED ANN CAMPBELL, B.S. <i>Teaching Fellow in Zoology</i>	Graduate House

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PRISCILLA ELIZABETH DATTMAN, A.B. <i>Teaching Fellow in Psychology</i>	Fort Hill House
AUDREY PRISCILLA FARROW, A.B. <i>Teaching Fellow in Zoology</i>	Fort Hill House
BARBARA JEANE FIENEMANN, A.B. <i>Teaching Fellow in Zoology</i>	Fort Hill House
JOY KATHLEEN FLEMING, A.B. <i>Teaching Fellow in Music</i>	Fort Hill House
JOANNA FRAWLEY, B.S. <i>Teaching Fellow in Chemistry</i>	Mandelle Annex
ELAINE GEISSE, A.B. <i>Teaching Fellow in Geology and Geography</i>	Graduate House
HILDA ERDINE GELLERSON, A.M. <i>Research Associate in Chemistry</i>	46 Trumbull Rd
ELOISE GOMPF, A.M. <i>Teaching Fellow in History</i>	Mandelle Annex
ANITA GORE, A.B. <i>Teaching Fellow in Physics</i>	Fort Hill House
OLGA GRATCH, MUS. B. <i>Teaching Fellow in Music</i>	Graduate House
HELEN MIRIAM HAGELBARGER, A.B. <i>Research Fellow in Physics</i>	Fort Hill House
JANET ADALINE HAWKINS, B.A. <i>Research Fellow in Chemistry</i>	Fort Hill House
BARBARA DIANTHA HOBSON, A.B. <i>Teaching Fellow in History</i>	Graduate House
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AUDREY JOAN JONGBLOED, A.B. <i>Teaching Fellow in Bacteriology</i>	58 Paradise Rd
ANN IRENE KILBRIDE, A.B. <i>Teaching Fellow in Physics</i>	58 Paradise Rd
FRANCE HENRIETTE LANGLOIS, LIC. ÈS L. <i>Assistant in French Language and Literature</i>	Dawes House
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LEAH LEISMAN, A.B. <i>Teaching Fellow in Music</i>	Graduate House
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JEAN CORMACK BROUGH <i>Administrative Assistant in Physical Education</i>	29 Brookline Av., Holyoke

RUTH BUCZALA HOLICH	19 Oliver St., Easthampton
<i>Secretarial Assistant in Physical Education</i>	
ANNA M. DRAGON	Box 162, Florence
<i>Accompanist in Physical Education</i>	
HELEN I. PIRIE	53 Bay State Rd, Holyoke
<i>Accompanist in Physical Education</i>	
CHARLES LOOMIS JOURDIAN	85 E. Pleasant St., Amherst
<i>Technician in Physics</i>	
DOROTHY S. MILLER	197 Bridge Rd, Florence
<i>Secretarial Assistant in Psychology</i>	
NORMA MONICA LEAS, A.B., S.B.	131 State St.
<i>Administrative Assistant in Theatre</i>	
SHIRLEY AMES ST JOHN, A.B.	26 Winthrop St.
<i>Departmental Assistant in Zoology</i>	

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MARY HANNIGAN HENNESSY	197 Nonotuck St., Florence
<i>Secretarial Assistant</i>	

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<i>Clerical Assistant</i>	
HELEN ELIZABETH BRIDGMAN	105 Pine St., Florence
<i>Clerical Assistant</i>	
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NELLIE JULIA MAMULSKI <i>Clerical Assistant</i>	20 Nashawannuck St., Easthampton

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30 Pleasant St., Easthampton

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Secretarial Assistant (also for Department of Physics)

Fort Hill House

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Gateway House

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Associate Physician

Hubbard House

K. FRANCES SCOTT, PH.B., M.D.
Associate Professor of Hygiene

32 Gothic St.

FRANCES CAMPBELL MCINNES, A.M., M.D.
Associate Physician

101 Prospect St.

RUTH VICTORIA HEMENWAY, M.D.
Assistant Physician

Williamsburg

LOUISE PADDON BUCKNER, B.S., M.D.
Assistant Physician

10 West St.

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Director of the Health Service Clinic

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Public Health Nurse

115 Elm St.

ALMA MARIAN GRAVES, R.N.
Office Nurse

14 Dana St.

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E. LUCILLE HOLLAND
Clerical Assistant

21 Belmont Av.

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HELEN MARIE ASIALA, R.N. <i>Nurse</i>	Sunnyside
GRETA GARLAND, R.N. <i>Nurse</i>	Sunnyside
MARY M. SHEA, R.N. <i>Nurse</i>	90 Beacon St., Florence
FLORENCE STONE, R.N. <i>Nurse</i>	Sunnyside
MARY ELIZABETH SULLIVAN, R.N. <i>Nurse</i>	61 Fairview Av.
HELEN WATTS, R.N. <i>Nurse</i>	75 Kensington Av.

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MARY ALLISON HEWITT, A.B., S.B. <i>Assistant Cataloguer</i>	60 Harrison Av.
EDITH MARIE LOUISE HERRMANN, A.B., B.S. <i>Assistant Cataloguer</i>	12 Arnold Av.
HELEN LEBLANC SONDROL, B.A., S.B. <i>Assistant Cataloguer</i>	95 West St.
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ELIZABETH H. SANDS <i>Assistant</i>	160 South St.
SHIRLEY ANN BETSOLD <i>Clerical Assistant</i>	West St., West Hatfield
IRENE GESOREK WNUKOSKI <i>Clerical Assistant</i>	78 Russell St., Hadley

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BEVERLEY S. NEWBERN <i>Assistant</i>	29 Belmont Av.
SALLY KNIGHT KROLL <i>Clerical Assistant</i>	301 Prospect Heights

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<i>Instructor</i>	
MARY TEELE CAMPBELL, B.S.	76 Elm St.
<i>Instructor</i>	
CONSTANCE ELIZABETH ROBBINS, B.S. IN ED.	76 Elm St.
<i>Instructor</i>	
JANICE RAE BROWN, A.B.	25 Franklin St.
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BARBARA ANNE STEIN, ED.M.	76 Elm St.
<i>Instructor</i>	
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<i>Instructor (Physical Education)</i>	
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<i>Instructor (French)</i>	
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<i>Ensemble</i>	
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<i>Physician</i>	
HAZEL HAWTHORNE BOWLES, R.N., M.A.	115 Elm St.
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JACOB RAPPAPORT, PH.D.	32 Paradise Rd
<i>Plant Physiologist</i>	
MARY ELLEN ALTON, B.A.	63 Belmont Av.
<i>Research Fellow</i>	
M. PATRICIA BRUGGE, B.A.	Fort Hill House
<i>Research Fellow</i>	
KATHLEEN MARGARET COLE, M.A.	Fort Hill House
<i>Research Fellow</i>	

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<i>Associate Director</i>	
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MISS ELIZABETH LOWRY, B.L.	{ Capen Annex
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MRS JOSEPHINE E. ROACH	{ Wesley House
MRS MARIANNE HEINEMANN	{ Park House
MISS MARY OLIVE SLEEPER, A.B.	{ Park Annex
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MRS HELEN LEWIS GOODENOUGH	Cushing House
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MISS MAY IRENE McARTHUR	{ Wilder House
MRS MARTHA MARCELLE BREakey	{ Mandelle Annex
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MRS LOUISE JEWELL JENCKS	{ Clark House
MRS MARION MORRELL	Laura Scales House
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	Tenney House
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	Albright House
	22 Paradise Rd

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<i>Secretary to the Superintendent</i>	

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ELIZABETH KNIGHTS <i>Clerical Assistant</i>	73 Bardwell St., Florence
HELENE M. McKEON <i>Secretarial Assistant</i>	114 S. Main St., Florence
IRENE N. STEFAN <i>Clerical Assistant</i>	9 Riverdrive Rd, Hadley

WILLIAM I. P. CAMPBELL <i>Horticulturist</i>	10 Massasoit St.
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LAUNDRY

RAYMOND J. PERRY <i>Superintendent</i>	94 State St.
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COMMITTEES (elected):

The President, the Dean, Mr Duke (1950), Mr Ross (1950), Miss Hornbeak (1951), Miss O'Neill (1951) (secretary)

TENURE AND PROMOTION (elected):

The President, the Dean, Miss Lowenthal (1950), Miss Mohler (1950), Mr Faulkner (1951), Miss Vaughan (1952), Mr Duke (1954)

TRUSTEE-FACULTY CONFERENCE (elected):

Mr Christian (1951), Miss Wilson (1950), Mr Hill (1952), Miss Vaughan (Tenure and Promotion), Mr Guilloton (Educational Policy)

ADMINISTRATIVE BOARD:

College Hall 25

The Dean (chairman), the Warden, the Class Deans, the Registrar, the College Physician, Mr Bragdon (Educational Policy), Mr Lazerowitz, Mr Durham

CONFERENCE:

The President, the Administrative Board, five members of the Student Council, four members of the House of Representatives

BOARD OF ADMISSION:

College Hall 26

The President (chairman), the Dean, Mrs Crawford, Mr F. W. Wright, Miss Bornholdt (Educational Policy), Miss Sampson, Mrs Marsh, Mrs Whitmore

REGISTRATION OF STUDENTS:

Miss Crook (chairman), Miss Bunce, Mrs Brainard, Miss Fitch, Mrs Goss, Miss Kenyon, Mr Madeira

II. ON THE CURRICULUM OF THE COLLEGE AND THE GUIDANCE OF STUDENTS

EDUCATIONAL POLICY (elected):

College Hall 21

The Dean (chairman), the President, (for five years) Miss Anslow, Miss Mohler, †Mr Ranney, (for four years) **Mr Faulkner, †Mr Sherk, Mr Bragdon, (for three years) Miss Dunn, Mr Guilloton, Miss Bornholdt

Substitutes for one year, Miss Corwin, Mr Page; for the second semester, Miss Bacon

BOARD OF ADVISERS:

Mrs Whitmore (chairman), Miss Ascher, Miss Benjamin, Miss Borroff, Miss Bourgoin, Mr Cantarella, Mr Cole, Mr Collins, Miss Corwin, Miss Crowley, Mr De Nood, Mr Durham, Miss Gabel, Miss Gasool, Miss Gill, Miss Griffiths, Mrs Haigh, Mrs Hobbs, Miss Hornbeak, Miss Horner, Miss Kemp, Mrs Lazero-witz, Mrs Lehmann, Miss Leonard, Miss Levy, Miss Lorentz, Miss Murdoch, Miss Olmsted, Miss Peirce, Mr Peltason, Miss Rees, Miss Rood, Mr Ross, Mr Schalk, Mr Scott, Miss Sickels, Miss Siipola, Miss Sperduti, Miss Stobbe, Mrs Taber, Miss M. A. Williams, Mr K. E. Wright, Mrs Marsh (Class Dean). Nonvoting members: the Junior and Senior Class Deans, the Registrar, the Director of Admission, the Vocational Director

HONORS:

Miss Wilson (chairman), the President, the Senior Class Dean, Mr Page (Edu-cational Policy), Miss Bacon, Miss Lincoln, Mr Scott, Miss Silbert

GRADUATE STUDY:

College Hall 21

Miss Anslow (director), the President, Miss Vaughan, Miss Ainsworth, Mr Soffer, Miss E. R. Williams, Mr Wakeman, Mr K. E. Wright, Miss G. P. Smith, Miss F. E. Young (secretary)

FOREIGN STUDENTS:

College Hall 21

Miss Vaughan (chairman), Miss Peirce, Miss Chin, Miss Corwin, Miss Mensel (ex officio), Miss E. R. Williams, Miss Bourgoin, Miss Carter

III. ON OTHER BUSINESS OF THE COLLEGE

LIBRARY:

Mr Aaron (chairman), the Librarian, Miss Bache-Wiig, Miss Ruby, Mr Paulsen

LECTURES:

College Hall 23A

Miss Lorentz (chairman), Mr Cantarella, Mr Guilloton, Mr B. Barber, Mr Dewey (secretary)

MOTION PICTURES:

Mr Jules (chairman), Mr Shaub, Mrs Guilloton, Mr Tuttle, Miss Delano. Secretary, Mrs Cantarella

SCHOLARSHIPS:

College Hall 3

The President (chairman), the Dean, the Warden, Miss Mensel, Mr F.W. Wright, Miss Cann, Miss Vaughan (ex officio), Miss Griffiths

STUDENTS' AID SOCIETY:

Mrs Hobbs, Miss Lincoln

HONORARY DEGREES (elected):

Mrs Holmes (1950), Mr Parshley (1951), Mr Fisher (1952)

JUNIPER LODGE:

Miss Carpenter (chairman), Miss Bryson, Miss Bache-Wiig, Miss O'Neill, Miss Vezzetti

FACULTY OFFICES:

Mr Taylor (chairman), Mr Putnam, Miss Leland

SPECIAL COMMITTEES

HYGIENE REQUIREMENT:

Mr Taylor (chairman), Dr Booth, Dr Scott (secretary), Mrs Whitmore (ex officio), Miss Horner, Miss Robinton

MARSHALS:

Mr F. W. Wright and Mr Willett (Senior Marshals), Mr Dewey, Mr Withington, Mr Hill, Miss Olmsted, Miss Burpee

CHAIRMAN OF ACADEMIC DIVISIONS:

Miss Corwin, Miss Bryson, Miss Mohler

THE ALUMNAE ASSOCIATION OF SMITH COLLEGE

The Alumnae House

<i>President</i>	RUTH PIERSON CHURCHILL 1919
<i>Vice-President</i>	DOROTHY CLARK THOMSON 1933
<i>Clerk</i>	TERESA L. KIRBY 1929
<i>Treasurer</i>	HELEN FOSTER OSBORNE 1927
<i>General Secretary</i>	MARY S. HOLT 1936
<i>Assistant Secretary</i>	FRANCES A. COPELAND 1925
<i>Bursar and Advertising Manager of the Quarterly</i>	RUTH SELDEN GRISWOLD 1916
<i>Assistants to General Secretary</i>	ELEANOR HOWARD
	MARION GRAVES DUFFEY 1915
	HAZEL HOWARD TURNER
	MARIAN F. CLARK
	AVIS L. JEFFREY
<i>Editor-in-chief of the Alumnae Quarterly</i>	MADELINE BALL WRIGHT 1910
<i>Honorary Editor</i>	EDITH N. HILL 1903
<i>Managing Editor</i>	KATHLEEN E. BERRY 1929
<i>Alumnae Fund Secretary</i>	HARRIET HITCHCOCK 1914
<i>Hostess</i>	DOROTHY PEARSON ABBOTT 1911

SEVENTY-FIFTH ANNIVERSARY FUND OFFICE

MARY PROAL LINDBKE, A.B.	66 West St.
<i>Executive Director</i>	
EDNA L. TEITRICK, A.B.	8 Green Av.
<i>Assistant Director</i>	
BERTHA CHRISTINE VOGEL	39 West St.
<i>Assistant</i>	
PATRICIA GRANT FACEY	273 N. Main St., Florence
<i>Clerical Assistant</i>	
MARIAN A. BARTON, B.E.	7 Trinity Row, Florence
<i>Secretarial Assistant</i>	
IRENE WADE O'DONNELL, A.B.	54 Belmont Av.
<i>Secretarial Assistant</i>	
DOROTHEA NAWROCKI	8 Green Av.
<i>Secretarial Assistant</i>	
CLAIRE E. RICHARDSON	39 Stilson Av., Florence
<i>Clerical Assistant</i>	

COMMITTEE FOR THE OBSERVANCE OF THE
SEVENTY-FIFTH ANNIVERSARY

FLORENCE HOMER SNOW, A.B., A.M. (HON.)	112 Washington Av.
<i>Director</i>	
JEAN ELWYN HENRY, A.M.	6 Ahwaga Av.
<i>Secretarial Assistant</i>	

HISTORICAL SKETCH

I

SMITH COLLEGE began in the conscience of a New England woman. The sum of money with which the first land was bought, the first buildings erected, and the foundation of the endowment laid, had been amassed by a man who, like many Americans, had made a fortune without any apparent ulterior purpose. He seems to have bequeathed it to his sister because he had not made up his mind what else to do with it. Sophia Smith received it not as providing means for luxury or display, but as laying upon her a burden of responsibility. She left it for the founding of a college for women because after much perplexity, deliberation, and advice, she had concluded that thus could she best fulfill a moral obligation.

Smith College began in the mind of a New England minister. To John Morton Greene is due the idea whose realization we see today. From him Sophia Smith asked counsel as to the disposal of her unsought riches, and received suggestions which she pondered and discussed, and from among which she finally selected that which we must acclaim as the wisest and most beneficent. The idea that Mr. Greene presented and Sophia Smith adopted is clearly expressed in a passage in Sophia Smith's will that must be regarded as their joint production, drafted by him, amended and approved by her. The language is as follows:

I hereby make the following provisions for the establishment and maintenance of an Institution for the higher education of young women, with the design to furnish for my own sex means and facilities for education equal to those which are afforded now in our Colleges to young men.

It is my opinion that by the higher and more thorough Christian education of women, what are called their "wrongs" will be redressed, their wages adjusted, their weight of influence in reforming the evils of society will be greatly increased, as teachers, as writers, as mothers, as members of society, their power for good will be incalculably enlarged.

Later, after enumerating the subjects which still form the substance of the curriculum of the college, she adds: "And in such other studies as coming times may develop or demand for the education of women and the progress of the race. I would have the education suited to the mental and physical wants of woman. It is not my design to render my sex any the less feminine, but to develop as fully as may be the powers of womanhood, and furnish women with the means of usefulness, happiness and honor, now withheld from them." She further directed that "without giving preference to any sect or denomination, all the education and all the discipline shall be pervaded by the Spirit of Evangelical Christian Religion."

When one considers what would today be regarded as the somewhat narrow and puritanical type of culture in which the authors of these sentences were living, one cannot fail to be impressed by their wisdom, liberality, and farsightedness. The general terms in which the purposes of women's education are defined are perfectly valid today. Provision is made for change of outlook and development in the scope of education. While the fundamentally religious interest of the founder is stressed, the college is kept clear of entanglement with institutional Christianity, and the only prescription is the pervading of instruction by the spirit of the gospel of Jesus Christ. This injunction has been obeyed in the past, we trust

NOTE.—The first part of this account is based upon an historical address delivered by President William Allan Neilson at the Fiftieth Anniversary Exercises, June 12, 1925.

and believe it is being obeyed in the present, and there is no reason to believe that it will not be willingly and gladly observed in the future.

Such is the charter of our intellectual and spiritual liberty.

II

It is one thing to state an ideal and give a commission, it is another to carry them out. Laureus Clark Seelye in 1873 undertook the presidency of the new college, land was bought and the first buildings erected, a prospectus was issued, and in 1875 the college was opened with fourteen students. The prospectus and the inaugural address laid down the main lines of educational policy on which the new college was to run, and again it is amazing to note how little these have to be modified to describe the college of today. There is the same high standard of admission, matching that of the best colleges for men, the same breadth in the curriculum, the same emphasis on literature, art, and music. What we are less likely to note is the faith needed to establish these standards and to stick to them in an atmosphere of scepticism and even of ridicule. President Seelye brought many gifts to the fulfilling of his office, none more remarkable or more essential than his faith and courage.

It is impossible here to trace the growth of the instruction under his leadership. For thirty-five years he carried the college forward; and when he laid down his office in 1910, the tiny seed had become a great tree. The assets of the college had grown from the original bequest of about \$400,000 to over \$3,000,000, half of it endowment and half equipment; the Faculty from half a dozen to 122; the students from 14 to 1635; the buildings from 3 to 35. These figures are a testimony to his remarkable financial and administrative ability, yet they are chiefly important as symbols of a greater achievement. What he had erected was not to be properly described in terms of physical and financial assets; it was a living organism, with a distinct personality and an abounding vitality. With few educational theories—none of them revolutionary—he had set a-going a process for the molding of the minds and spirits of young women, had supervised the process for a generation, and had stamped upon several thousand graduates the mark of his own ideals and his own integrity. He was a great man, but his achievement was even greater, for as far as we can see what he created will last as long as our phase of civilization endures.

III

It is hard to follow the king, and the problem which faced President Seelye's successor was no easy one. The growth of the college had acquired a strong momentum, and numbers increased of themselves; Marion Le Roy Burton's task was to perfect the organization for taking care of these numbers. This meant the modernizing of the business methods of the administration, the improvement of the ratio of instructors to students with a view to more efficient teaching, the raising of salaries to retain and improve the staff, the providing of more adequate equipment, and the revision of the curriculum. These things mean money, and with the assistance of the alumnae and at great expense of energy on his own part, President Burton raised a million dollars—an achievement far greater than now. This sum permitted a substantial if temporary relief in the matter of salaries; the staff was increased to reasonable numbers, and accumulated funds were used to supply the need of the biological sciences for a new and adequate laboratory building. The curriculum was revised by the Faculty under the tactful leadership of

President Burton—who thus proved he could weather the most trying of academic tempests. The seven years of his service saw the further growth of the college to over 1900 students, the increase of its assets by over \$1,000,000, and substantial progress in educational efficiency. The business reorganization was well begun, arrangements were made for a new method of admission, and all sails were set for a long and prosperous voyage, when in 1917 Mr. Burton was called to the presidency of the University of Minnesota.

IV

The third administration of Smith College opened in the troubled days of the First World War. President William Allan Neilson's first contacts with the alumnae came with the launching of the work of the Smith College Relief Unit in France, and he learned something of the quality of the graduates who had been trained by his predecessors, as he became familiar with the effectiveness and the joyous devotion with which that band of heroic women and their supporters at home carried through their undertaking. It is probable that since the founding of the college no such test had occurred of the power of the alumnae to work together for a cause outside the college, of their adaptability to new tasks and strange conditions, of their initiative and persistence. The erection of the Grécourt Gates at the entrance to the college fittingly commemorates their great achievement.

The war and its aftereffects complicated in many ways the problems of the management of the college. The rise in prices shortly canceled the increase in resources from the Million Dollar Fund collected under President Burton, and the need for more money for instruction became greater than ever. Numbers went up to twenty-one hundred with no signs of abating. The campus dormitories housed only two-fifths of the students. Classrooms and laboratories were overcrowded. Perplexities caused by physical and financial stringency threatened to absorb all our energies to the neglect of more strictly educational problems.

Again the alumnae came to the rescue. Taking the whole burden of organization upon their own shoulders, they undertook to raise \$4,000,000 to meet the most pressing needs, and at Commencement 1920, after a campaign calling for immense resource, persistence, and devotion, they placed pledges for that amount in the hands of the Trustees. Half was used for instruction, and enabled the college to compensate its teachers for the loss suffered in the decrease in the value of the dollar; the other half went to making up in part the arrears in housing and academic equipment which had been incurred by the growth in numbers.

Meantime, in spite of entrance examinations and rising standards, the pressure for admission at the gates of Smith as of its sister colleges continued to increase, and the college was forced to limit its numbers to two thousand. Much as one may regret an apparently arbitrary restriction upon the scope of its influence, it seems clear that the effect of this decision was, through forcing a more severe standard of selection, to secure a higher level of preparation and intelligence and a more homogeneous body of students than we should otherwise have had.

One of the largest resident women's colleges in the world, Smith College faced problems which it shared with both colleges and universities. President Neilson desired to develop all the advantages which only a large institution can offer, and at the same time to avoid any disadvantages which seemed inherent in the size of the institution. Laboratory and library facilities were developed. The number of instructors was constantly increased, though the number of students remained the same. The last years of the third administration saw the accomplishment

of a goal long sought, that all students should live "on campus." With the exception of those local students who live at home, the college now houses all its undergraduates; yet this was brought about without loss of the original "cottage plan" which the founders established. Smith College believes firmly in the value of the small group, with the result that few dormitories house more than seventy students, while groups of twenty to thirty are not uncommon. In addition, President Neilson developed an administrative system designed to assure students all possible personal direction and assistance, yet leaving them free to develop independence. The Class Deans divide with the Warden, the Dean, and the Registrar responsibilities often centered in one office. Six physicians have charge of student health and of training in personal and social hygiene. A Director and an Associate Director give full time to vocational guidance and placement work.

Various significant developments in the course of study also give evidence of the attempt of this administration to adjust education both to a large group and to the individual. Revision of the curriculum, under President Neilson's guidance, resulted in a course of study which offered a thoughtful combination of the advantages of the "free elective" and of the "prescribed" systems. Its object was to assure the students a broad general foundation in various fields of knowledge during the first two years, followed by a more intensive study of a major subject during the last two. One of the most significant and important of all the innovations introduced by President Neilson was the Junior Year Abroad, which for many years permitted students interested in modern languages to increase their language facility in the only really satisfactory way, and at the same time to become acquainted at first hand with the culture and daily life of European countries. The return to Northampton annually of these students, together with the presence on the campus of foreign students studying on the fellowships established by the Trustees, has made for a broader understanding of international problems. This year in Mexico there is a group of Juniors majoring in Spanish, in Geneva a group majoring in the social sciences, and for the third time since 1939 there are groups in France and Italy. As members of an intercollegiate group there are three Juniors in Zurich. For the fifth year Smith College is co-operating with the University of Toronto in the exchange of a small number of Juniors.

While Smith College has always been and remains a liberal arts college and offers no professional work *per se*, it nevertheless developed during Mr. Neilson's administration unusual opportunities for those students who wish to prepare seriously for the professions. Interdepartmental majors permit prospective students of medicine, public health, nursing, landscape architecture, and theatre to enter professional schools with excellent preparation. The Department of Art with the Smith College Museum of Art (the Hillyer and the Tryon Galleries), and the Department of Music, housed in one of the most completely equipped music buildings in the country, afford work in technical art and practical music, in addition to training in the theory and history of these arts. Students interested in recent movements in education may observe at first hand the working out of two interesting contemporary experiments in the Day School, a school of progressive type offering instruction to children from five years of age through the junior high school, and in the Elisabeth Morrow Morgan Nursery School for children from two to five years.

During the Neilson administration, with no loss of emphasis upon undergraduate work, the graduate division of the college developed markedly. Work leading to the degrees of Master of Arts, Master of Education, and Master of Science in Physical Education is offered; the degree of Doctor of Philosophy is occasionally con-

ferred. The Smith College School for Social Work, which had its origin in 1918, has taken an important place among professional schools, and offers annually to approximately one hundred and fifty candidates work leading to the degree of Master of Social Science.

President Neilson's great interest in the development of the undergraduate college was recognized upon his fifteenth anniversary by the establishment on the part of the Trustees of the Neilson scholarships, awarded annually to ranking scholars of the three upper classes. His profound concern with scholarship and research on behalf of the Faculty was commemorated by the endowment of the William Allan Neilson Chair of Research, to be occupied annually by a scholar or scholars chiefly concerned with the carrying on of research in any of the fields represented by the curriculum. The list of those who have occupied this chair is printed at the end of this section.

V

The fourth administration of Smith College began, like the third, in a time of international conflict, under the cloud of wars and rumors of wars. President Neilson retired at the end of the academic year 1938-39; during the interregnum Mrs. Elizabeth Cutter Morrow served her college as Acting President, and earned the deep gratitude of Trustees, Faculty, alumnae, and students. At the opening of the year 1940-41, President Herbert Davis, formerly Professor of English at the University of Toronto and at Cornell University, took office. "This is not a time to prophesy smooth things, or to dream dreams," President Davis said in his inaugural address on October 17, 1940. "It is not a time for experiment; not a time to advance to new positions, or to undertake new responsibilities. It is a time rather for consolidation, for holding on to what we know is worth maintaining."

The College went into year-round session; Faculty and staff were called into many fields of government service. The Navy Department invited Smith College to provide facilities for the first Officers' Training Unit of the Women's Reserve, and College, Alumnae Association, and City co-operated to such purpose that 9567 naval officers had been commissioned when the school closed in January, 1945. To compensate somewhat for the suspension of the Junior Years Abroad, foreign language houses for students interested in French and Spanish were established after the model of the German House which had been founded, also in consequence of conditions abroad, in 1935.

During these difficult years President Davis did not relax the standards of quality and achievement to which he and those before him had committed the college. Peace brought a return to the regular calendar, a major curriculum revision, and serious financial problems. The alumnae and the College undertook a capital-fund campaign, this time for \$7,000,000 to be presented at the 75th Anniversary Commencement in June, 1950. With the partial completion of the Fund, Faculty salaries were somewhat increased and several long-needed projects undertaken, among them a student center so successfully adapted from an old gymnasium that the students named it Davis Center as a mark of affection for their president. Mr. Davis relinquished his office in June, 1949 in order to accept a post at the University of Oxford.

VI

The Anniversary year 1949-50 opened under a new president, Benjamin Fletcher Wright, formerly Professor of Government at Harvard University and Chairman of

that University's important Committee on General Education. The Inauguration of the President and the Convocation in honor of the seventy-fifth year, held jointly on the 19th and 20th of October, were marked in word and spirit by recognition not only of the brilliant record of the past but of a great responsibility toward the future. "Our legacy is not narrow and confining," said Mr. Wright in the inaugural address. "The founders of this College faced their own times with courage, and they had confidence that later generations would advance their work. We shall be faithful to that trust only if we carry on our heritage in their spirit."

One is tempted to dwell on the contrast between the small beginnings and the present achievement: between the original corner lot of 13 acres and the present campus of 214; between Sophia Smith's \$400,000 and the present assets of about \$22,000,000; between the first class of 14 and today's 2300; between the group of 11 graduates of 1879 and the present alumnae roll of 20,821. The evidence of growth lies all about us. But the ideals of the founders, of President Seelye, and of all the great company who have loved the College and worked for it with devotion are the same; the purpose of education as defined by President Davis, "to produce free spirits and to let them work freely," continues to be the high purpose of Smith College.

HOLDERS OF THE WILLIAM ALLAN NEILSON CHAIR OF RESEARCH

- Kurt Koffka, Ph.D. Psychology. 1927-32.
 G. Antonio Borgese, Ph.D. Comparative Literature. 1932-35.
 Sir Herbert J. C. Grierson, M.A., LL.D., Litt.D. English. 1937-38 (2d sem.).
 Alfred Einstein, Dr.Phil. Music. 1939-40 (1st sem.); 1949-.
 George Edward Moore, D.Lit., LL.D. Philosophy. 1940-41 (1st sem.).
 Karl Kelchner Darrow, Ph.D. Physics. 1940-41 (2d sem.).
 Carl Lotus Becker, Ph.D., Litt.D. History. 1941-42 (2d sem.).
 Albert F. Blakeslee, Ph.D., Sc.D. (hon.). Botany. 1942-43.
 Edgar Wind, Ph.D. Art. 1944-48.
 David Nichol Smith, M.A., D.Litt. (hon.), LL.D. English. 1946-47 (1st sem.).

GENERAL INFORMATION

EVERY student is held responsible by the Faculty for the observance of the academic and social regulations of the College. A student who does not comply with these regulations, whose general attitude shows a failure to profit by the influences of the College, or who in the judgment of the administrative officers lacks the maturity of character or the physical strength demanded by college life, may at any time be required to withdraw.

A student found guilty of intentional dishonesty in her college work is liable to forfeit her connection with the College.

RESIDENCE

Smith College has the policy of housing its students in houses of its own in small groups, each group accommodating on an average from fifty to sixty students. Except for a few smaller houses which are grouped together in one unit, each house has its own living rooms, dining room, and kitchen, and is in charge of the Head of House, who devotes her whole time to the administration of the house and to the personal care of the students in her charge. Regulations for the life in these houses have been made by the Student Government Association in co-operation with the Administration of the College, and are carried out by the Head of House and the House President. In most of the houses there is resident a member of the Faculty. It is the aim of the College to provide in these houses homelike surroundings and conditions favorable for study and community life.

Entering students will receive a blank, especially provided for the purpose, on which they should state if possible their preferences for houses. This blank should be returned to the Office of the Warden by June of the year of entrance. Rooms are assigned to entering students after the required deposit of \$50 is paid and preferences are honored in the order of the students' original dates of application for admission to college, except when students are admitted from a waiting list or where a reasonable geographical or other distribution makes it unwise. Order of application is not considered in making assignments after the Freshman year, the order of assignment to the three upper classes being determined by lot. Any student may move from one house to another once during her college course.

Rooms are assigned for the college year. No refund will be allowed except in extreme cases of which the College shall be the sole judge. All notices of withdrawal should be sent immediately to the Registrar's office in the case of upper-class students, and to the Board of Admission in the case of entering students, and room assignments will then be canceled. Failure to file a course card in the spring involves the loss by the student of any room assignment that may have been given her for the following year. The College reserves the right to move students from house to house during the academic year.

Students who plan to re-enter must be readmitted to college by notice from the Registrar before rooms will be assigned. No assignments will be made, however, until after the receipt of the required deposit fee by the Registrar.

Entering students who are receiving tuition scholarships as residents of Northampton will not be assigned rooms in college houses until vacancies occur after the opening of college.

A student who desires to live in any house other than those operated by the College must receive permission from the Office of the Warden.

At the end of the year students of the two lower classes are expected to give up their rooms twenty-four hours after their last examination but not later than the last Wednesday of the term, unless their presence is required at Commencement.

The College supplies a bed, mattress, pillow, one pair of blankets, and all bed and table linen, but students should bring towels. It also provides a chest of drawers, mirror, at least one chair, and a desk. These may not be removed from the room.

Furniture, trunks, and other possessions of students may be sent to their houses not more than five days before the opening of college. All carriage charges must be prepaid. Measurements for draperies and covers may be taken only after the room is occupied.

The College assumes no liability for damage to the personal possessions of students in college buildings or for their loss by fire or theft. It is therefore suggested that insurance be taken out if it seems desirable.

A student who leaves personal possessions in the house does so at her own risk. Articles remaining unclaimed in a house for more than one year after a student has left college will be disposed of by the College.

A charge of \$5.00 is made for each radio or electrical record player. There is also a charge of \$5.00 if a student requires a higher wattage for lighting than the College ordinarily allows.

Laundry for students may be done at the college laundry at reasonable rates provided each article is marked with the student's name.

The College is operating all houses under a co-operative plan of student work. Each student is expected to do up to four hours of work per week normally and more in times of emergency in addition to taking care of her own room.

RELIGIOUS LIFE

The College provides ample opportunity for the development and expression of religious faith of all creeds. Worship services are held in the evening from Monday through Friday in the Little Chapel and College Vespers on Sunday bring outstanding ministers to speak. The Smith College Religious Association, of which every student is a member, includes a Hillel Club for Jewish students, a Newman Club for Roman Catholics, and a Christian Association for Protestants, and offers co-operative programs of education and community service. Thus it is possible for students of each faith to strengthen their own convictions and to gain an understanding and appreciation of other traditions. The campus program is under the direction of a full-time chaplain. In Northampton there are churches of various denominations, all of which welcome students to their services and activities.

HEALTH

The health of the students is under the supervision of the College Physician, assisted by four other full-time physicians. This includes care either at the office or in the College Infirmary when the student is ill in any way, and co-operation with other departments of the college in all matters having to do with either public or individual health. No charge is made to the students for care by the college physicians; however, in complicated cases, they may require consultation with

local or out-of-town physicians or specialists. Bills will then be submitted by these physicians as in private practice elsewhere.

Students may remain in the Infirmary with routine nursing care for seven days each year without charge, but no more than three free days may be used for any one illness; beyond that time the charge is \$6 a day. If a student requires special nursing the usual charges for such care will be submitted.

The College has arranged to co-operate with a reputable insurance company in offering a voluntary insurance plan which protects the student over a twelve-month period, whether in residence at college or not. Students are strongly urged to take out this insurance which gives unusual protection in addition to that which the college offers without charge.

In the interests of individual and community health every student is expected to comply with the following regulations:

1. When a student receives a card asking her to report to the Doctors' office she must do so at the time indicated.
2. (a) If a student feels ill, has been injured, or has any sort of physical disability she should, if she is able to do so, go to the Doctors' office to consult one of the college physicians during office hours.
(b) At other times she should consult her Head of House. If the Head of House is out and the condition requires immediate attention the student should telephone the Infirmary.
3. If she is detained in her room because of illness the Head of House will give her a slip to sign reporting her case, and the Head of House will be responsible for its delivery to the Doctors' office. These slips must be made out at the time when the illness occurs.
4. (a) If she is taken ill during an examination she must go directly from the examination to the Doctors' office or to the Infirmary. Only if this procedure is followed will arrangements for a make-up examination be made.
(b) If she is taken ill in the house so that she is unable to go to an examination she must report to her Head of House immediately so that the proper authorities may be informed. If the Head of House is not there at the time she should go at once to the Infirmary.
5. If she wishes to enter the College Infirmary for treatment or rest she should apply at the Doctors' office or consult her Head of House.
6. When she has been in an accident she must report to the Doctors' office within twenty-four hours even if she does not seem to be injured.
7. If she wishes to leave town for any type of medical treatment, dental care, or consultation with an oculist, she must first discuss the advisability of her plans with the College Physician.
8. If she becomes ill while away from college and is not able to return on schedule she must notify the College Physician as well as her Head of House. When she returns she must bring a note from her physician to the College Physician stating the nature of her difficulty and possible suggestions for her care.
9. If she is exposed to a communicable disease while in college she must report at once to the Doctors' office to learn how best to protect herself and her fellow students. If she is exposed elsewhere she must not return until she has communicated with the College Physician and has fulfilled whatever requirements may be suggested.

Students must comply with the preceding regulations in order that recommendations may be made to the Registrar and the Warden for excuses from classes missed or nights spent away from college because of illness.

EXPENSES

The registration fee of \$10 for application for admission to college is not refunded nor is it credited on any bill.

A deposit of \$50 is payable on or before June 15 of the year of her entrance by each student admitted to Smith College; it is not refunded if a student withdraws before entrance. If the deposit is not received at that time, the College reserves the right to determine whether and on what conditions students who wish to make later payment shall be admitted. This deposit will be retained until after graduation or withdrawal from college. Shortly after graduation the deposit, less any incidental outstanding charges, will be refunded. In case of withdrawal of members of the three upper classes, if notice in writing is filed with the Registrar prior to July 1 in respect to the first semester or prior to December 1 in respect to the second semester, the deposit will be refunded; otherwise it will be forfeited.

The graduation fee of \$10 is payable by all Seniors at the beginning of their last semester. In case of failure to graduate this fee will be refunded.

One-half of the annual fees for tuition, board, and room must be paid in advance at the beginning of each semester. Semester bills are mailed to the home address about ten days before the beginning of the semester. Students who fail to pay their regular semester bills within the first week of a semester or any other college bill within ten days of its date may be excluded from college. All college bills must be paid before a student is granted a degree.

Refunds will be allowed on students' bills only in extreme cases of which the College shall be the sole judge.

Each student is entitled to one transcript of her college record. A fee of \$1.00 will be charged for each additional copy.

Tuition and residence fee	\$1600.00
Nonresident fee	850.00
Fee for graduation.	10.00
Fees for courses in practical music:	

Vocal or instrumental, for the college year:

One hour lesson a week	\$150.00
One additional half-hour lesson taken for extra credit	75.00
Courses in ensemble when given individually	50.00
Use of room for piano or vocal practice, one hour daily	10.00
Use of room for violin or other practice, one hour daily	5.00
Use of practice organs in John M. Greene Hall, one hour daily	25.00
Use of college orchestral instruments, one hour daily	10.00

Fees for classes in riding (optional):

	Freshmen	Sophomores
Fall term	\$37.50	\$56.25
Winter term	35.00	35.00
Spring term	32.50	48.75
Fall and spring terms if the entire fee is paid in the fall	60.00	95.00

Students not in these classes may buy twenty-hour tickets for \$40.

For winter sports \$3 is charged to cover the cost of transportation to ski or hiking centers. Those who choose golf pay a small amount for transportation and for greens fees.

The gymnasium outfit necessary for the required work in physical education costs about \$21.

There is a fee for materials required for some of the courses in technical art. The College reserves the right to change its fees at the end of any term if conditions should make it necessary.

Additional expenses, which can only be estimated, would include from \$25 to \$50 for books, about \$25 for subscriptions, dues, and student extracurricular activities (the so-called "blanket tax"), and from \$100 to \$150 for recreation and incidentals.

SCHOLARSHIPS, GRANTS, LOANS

Smith College, desirous of recognizing distinction and of aiding students of ability who are unable to meet their entire college expenses, offers scholarships of various amounts toward the payment of tuition and in some cases residence. Grants are awarded to students not of scholarship standing for which work up to six hours a week is done. The Self-Help Bureau (see page 53) makes it possible for students to earn some money. The Smith Students' Aid Society (page 53) makes loans to members of the three upper classes.

Applications for scholarships and grants should be addressed to the Director of Scholarships and Student Aid before February 1.

SCHOLARSHIPS

Endowment funds given to the College to be used for scholarship aid are listed in the following pages. To augment the sum received as income from these funds the Trustees appropriate an additional amount each year from general income, and current gifts are received from clubs and branches of the Alumnae Association and from other organizations.

Freshman Scholarships. A certain number of scholarships are awarded by the College to incoming Freshmen of exceptional ability, the amount being based on financial need. These awards will be renewed annually if the student's academic work proves satisfactory to the Scholarship Committee of the Faculty.

The National Scholarships available for Freshmen are described on page 52.

Scholarships are awarded to students in college on the basis of academic standing, personal qualifications, and financial need. Applications should be made to the Director of Scholarships and Student Aid by February 1.

Tuition scholarships (but not including charges for courses in practical music) may be granted at the discretion of the Trustees to undergraduates who have been residents of Northampton or of Hatfield for three years before the date of their admission to college, provided they are able to satisfy the full requirements for admission; and this grant may be continued through their college course, provided they maintain diploma grade and conform to the regulations of the college, and continue to be residents of Northampton or of Hatfield.

The College awards fifteen scholarships in music each year.

Two tuition scholarships for use at seaside laboratories are granted by the College to students who show marked proficiency in the Departments of Zoology and Botany.

First Group Scholarships

The following scholarships are awarded to students of highest academic standing:

The Neilson Scholarships. Not more than fifteen scholarships, created by the Board of Trustees in honor of President William Allan Neilson on the completion of fifteen years of his administration, to be awarded annually to students in the first group of scholars in the three upper classes.

The Dwight W. Morrow Scholarships. Ten scholarships to be awarded to Seniors in the first group of scholars.

The William A. Neilson Scholarship fund for full tuition.

The Sophia Smith Scholarships. These scholarships are awarded without stipend to members of the three upper classes whose standing entitles them to a place in this group.

Endowed Scholarships

The J. J. Albright Scholarship fund of \$6700.

The Susan Fuller Albright Scholarship fund of \$6750, founded by the Smith College Club of Buffalo, the income to be awarded to a student from Buffalo.

The Franklin Baldwin Scholarship fund of \$1200.

The Bartol Scholarship fund of \$72,713.80.

The Suzan R. Benedict Scholarship fund of \$10,020.47, the income to be awarded to undergraduates majoring in mathematics.

The Mary Nichols Billings Scholarship fund of \$5000, given by Mr. Charles E. Billings. According to the wish of the founder, in the award of this scholarship the daughters of missionaries or those preparing for foreign missionary work will receive the preference.

The Mildred Louer Bird Scholarship fund of \$16,000.

The Morris A. Black Scholarship fund of \$2000, the gift of a nongraduate member of the class of 1895.

The President Burton Memorial Scholarship fund of \$33,512.03. Two scholarships of \$750 are awarded to members of the Freshman class.

The Jean Cahoon Memorial fund of \$10,000.

The John A. Callahan Scholarship fund of \$7340.81, the income to be applied yearly towards tuition for any pupils who have graduated at the Highland Grammar School in Holyoke, Massachusetts, now known as the Junior High School, and who have thereafter graduated at the Holyoke High School.

The James R. Campbell Scholarship fund of \$1009.97 for needy girls from New Hampshire or Connecticut, bequeathed by Miss Jennie Isabel Campbell 1893 in memory of her father.

The Bessie T. Capen Scholarship fund of \$5531.25 from the graduates and former students of the Capen School.

The Class of 1883 Scholarship fund of \$2151 in honor of Elizabeth Lawrence Clarke, Class President for fifty years.

The Class of 1887 Scholarship fund of \$10,000.

The Scholarship Fund of the Class of 1897, amounting to \$5682.87, the bequest of Lucy O. Hunt of that class.

The Sara Hunt Clough Memorial fund of \$1000, founded by Mr. Nathan P. Hunt, the income to be used preferably for daughters of graduate members of the class of 1895.

The Mildred E. Ford Cobb Memorial Scholarship fund of \$10,000, the income to be used for students from Cleveland or the vicinity.

The Katharine Baylis Cochran Scholarship fund of \$8000, the income to be awarded preferably to the daughter of a present or former missionary, minister, or educator.

The E. C. Converse Scholarship fund of \$50,000.

The Augusta E. Corbin Scholarship fund of \$8000, the gift of Mrs. James Owen Foss (Mabel Chick 1905).

The Charlotte Graves Cross Scholarship fund of \$5390, founded by Mr. Raymond W. Cross and Mr. Harvey B. Graves, the income to be given preferably to students from Rochester, N. Y., or vicinity. Application for this scholarship may be made through the Smith College Club of Rochester.

The Vivian Bubb Decker Scholarship fund of \$1000, given by Mrs. Bernice Decker Taylor 1919 for students of vocal music.

The Mary D. Dey Scholarship fund of \$5000, the gift of Mrs. Donald Dey 1884, alumnae trustee from 1896 to 1902. This scholarship is to be awarded to members of the three upper classes, preference being given to daughters of clergymen and teachers.

The Anna N. Dice and John William Dice Memorial Scholarship fund of \$2000, given by their sister Miss Elizabeth Lind Dice 1905.

The Elizabeth Lind Dice and John Dice Memorial Scholarship fund of \$3000, founded by their daughter Elizabeth, the income to be awarded to a Freshman or a Sophomore.

The Elizabeth Lind Dice 1905 Scholarship fund of \$1000, given by her brother Mr. Louis Robinson Dice, the income to be awarded to a Freshman or a Sophomore.

The Mary Carter Duncan Scholarship fund of \$10,000.

The Elizabeth Edwards Memorial Scholarship fund of \$5000, founded by Mr. and Mrs. George S. Edwards.

The Constance Elaine Memorial Scholarship fund of \$5000, founded by Miss Caroline Phelps Stokes. The benefit of this scholarship is for young women who intend to be teachers, preference being given to those living outside of the United States; failing applicants from abroad, to students from Massachusetts or Connecticut.

The Elizabeth S. Fisk Memorial Scholarship fund of \$2000.

The Ida E. Fisk Memorial Scholarship fund of \$2000, bequeathed by Miss Elizabeth S. Fisk 1895.

The Marietta Miles Fisk Memorial Scholarship fund of \$2000, also bequeathed by Miss Fisk.

The Elizabeth Fobes Scholarship fund of \$1000, founded by Miss Elizabeth Fobes in memory of her niece Elizabeth.

The Mary P. Fowler Scholarship fund of \$15,000, the income to be used for a deserving student who shall at the end of her Junior year be judged to be pre-eminent for scholarship and for the power of leadership among her fellow students.

The Emily Frink Scholarship fund of \$2000.

The Fannie Furman Memorial Scholarship fund of \$10,000, founded by the Smith College Club of Rochester, N. Y.

The Eleanor N. Gaffield Scholarship fund of \$10,000, a bequest of Mrs. Minnie N. Gaffield in memory of her daughter.

The Gamble Scholarship fund of \$2000.

The Gannett Memorial Scholarship fund of \$2000, given by the Gannett Association of Boston in memory of Reverend George Gannett, Principal of the Gannett Institute of Boston, on the condition that applicants who are nominated by the executive committee of the Gannett Association and who present satisfactory evidence of high scholarship shall be preferred in the award. When no such applicant is presented, the scholarship may be awarded at the discretion of the college authorities.

The Carrie L. W. and Marion Gary Scholarship fund of \$12,437.23, the income to be used for students from Vermont if possible.

The Jessie S. R. Goldthwait Scholarship fund of \$10,000.

The Mary Louise Brown Graham Scholarship fund of \$8840 (formerly the Smith College Club of Pittsburgh fund), the income to be awarded preferably to a student from the vicinity of Pittsburgh.

The Ellen Clarissa Gross Scholarship fund of \$8000, founded by Mrs. Woods Chandler (Helen C. Gross 1905) in memory of her mother.

The Charlotte C. Gulliver Memorial Scholarship fund of \$10,040, given by the class of 1883.

The Julia Henrietta and Mary Gulliver Scholarship fund of \$9528.48.

The Anna Laura Holbrook Scholarship fund of \$14,508.56.

The Esther R. Holmes Scholarship fund of \$6000.

The Lucia Maria Houpt Scholarship fund of \$2500, the gift of Mr. Wilbur E. Houpt in memory of his daughter Lucia Maria Houpt 1912, the income to be given to that student who shall show natural and cultivated talent in art, and who needs assistance to continue her study.

The William Bertram Imlach Scholarship fund of \$8650.82, the income to be used for a scholarship in drawing and painting.

The Caroline E. Kilbon Scholarship fund of \$200.

The Jessie Stevenson Kovalenko Scholarship fund of \$5000, given in her memory by her husband Mr. Michael S. Kovalenko, the income to be awarded preferably to a student majoring in French or English.

The Mary Lanning Memorial Scholarship fund of \$5000, founded by Mr. and Mrs. W. H. Lanning of Hastings, Neb. This scholarship is awarded to a Sophomore.

The Latin-American Scholarship fund of \$7500, given by the class of 1890. This scholarship is for a student from a Latin country, or, if no such applicant is presented, to a student from some other foreign country.

The Alice and Florence Lord Scholarship fund of \$5023.64.

The Beatrice Austin Manning Scholarship fund of \$12,000 for the benefit of descendants of the class of 1902.

The Maplewood Institute Memorial Scholarship fund of \$5000, founded by the Maplewood Institute Association of Pittsfield.

The Helen Ayer Marden Scholarship fund of \$1000, the gift of Mrs. Frank W. Marden for students of vocal music.

The Nellie Eddy Mudge Scholarship fund of \$2000, founded by Dr. Seldon J. Mudge.

The Miriam Myers Memorial Scholarship fund of \$5000, given by Mrs. Guy C. Myers in memory of her daughter Miriam Myers 1933, the income to be used preferably for a student majoring in history.

The Harriet and Gurdon Pellett Memorial Scholarship fund of \$44,628.81, founded by Miss Sarah Frances Pellett 1882.

The Elizabeth Bartlett Phillips Scholarship fund of \$5000, the gift of Mr. James Phillips, Jr.

The Ellen Plimpton Scholarship fund of \$6000, given by Mrs. Elsie Fay Jordan 1892 in memory of her mother.

The Edith Nichols Putney Memorial Scholarship fund of \$1771.49, founded by the XYZ Club of Erasmus Hall and Newtown High Schools of New York City, a mathematics club organized and directed by Miss Putney 1899.

The Christina Rounds Memorial Scholarship fund of \$6000, given by the Alumnae Association of Miss Rounds's School (Brooklyn), the income to be awarded preferably to students from Brooklyn.

The Lucy J. Russell Scholarship fund of \$1000.

The Benjamin and David Scharps Scholarship fund of \$2500 established by Benjamin Scharps, the income to be awarded for proficiency in pianoforte playing.

The Alice Goodwin Schirmer Scholarship fund of \$5000.

The Edith Scott 1909 Scholarship fund of \$8000, founded by Mr. Walter Scott of New York, given preferably to a Senior.

The Sadie D. Scott Scholarship fund of \$8000, also founded by Mr. Scott.

The Emma E. Scranton Scholarship fund of \$1000, given by the friends of Miss Scranton.

The Seaver Scholarship fund of \$2000.

The Edith Dudley Sheldon Scholarship fund of \$1500.

The Elsie Damon Simonds Scholarship fund of \$25,350, the income to be awarded to students from Fitchburg or from Massachusetts.

The Andrew C. Slater Scholarship fund of \$4000, the income to be given preferably to a Junior or Senior from Massachusetts.

The Anna Margaret Sloan and Mary Sloan Scholarship fund of \$16,807.78, the income to be awarded to students who are especially interested in the study of philosophy or psychology.

The Louise Smith Scholarship fund of \$51,585.51.

The Smith College Club of Buffalo Scholarship fund of \$100.

The Smith College Club of Cincinnati Scholarship fund of \$11,668.81.

The Smith College Club of Cleveland Scholarship fund of \$4516.94.

The Smith College Club of Detroit Scholarship fund of \$8190.30 for full tuition for a student preferably from Detroit or Michigan.

The Smith College Club of Fitchburg Scholarship fund of \$5000.

The Smith College Club of New Haven Scholarship fund of \$9868.24 for full tuition to be awarded to a student from New Haven.

The Smith College Club of New York Scholarship fund of \$15,000 for two full scholarships for students from New York.

The Smith College Club of North Shore of Illinois Scholarship fund of \$7556.38.

The Smith College Club of Philadelphia Scholarship fund of \$4620.42.

The Smith College Club of Rhode Island Scholarship fund of \$12,000 for full tuition to be awarded preferably to a student from Rhode Island.

The Smith College Club of Seattle Scholarship fund of \$3761.28 for full tuition.

The Smith College Club of Winchester Scholarship fund of \$400.

The Emily Hitchcock Terry Memorial Scholarship fund of \$3000, the income to be given to a student of the Department of Botany.

The Helen Rand Thayer Scholarship fund of \$10,000 to be used for New Hampshire students recommended by the New Hampshire Smith College Club.

The Julia Ball Thayer Scholarship fund of \$6000, founded by Miss Julia Beatrice Thayer for the education preferably of students from Keene, N. H.

The Eva I. Titman Scholarship fund of \$5000, the income to be given to a Junior majoring in history.

The Roslyn Titman Scholarship fund of \$5000, the income to be given to a Junior majoring in sociology.

The Rodney Wallace Scholarship fund of \$10,000, established by Mr. Herbert I. Wallace and Mr. George R. Wallace as a memorial to their father the Hon. Rodney Wallace of Fitchburg, for twenty-five years trustee of Smith College.

The Sophia Billings Wallace Scholarship fund of \$5000, given by Mr. Rodney Wallace.

The Sophia Ingalls Wallace Scholarship fund of \$5000, the gift of Mr. Rodney Wallace.

The Julia Carolyn Weston Scholarship fund of \$10,000, founded by Mr. John McWilliams in memory of his wife, a member of the class of 1900. The income is to be awarded preferably to a student from California, or, failing that, to a student from the Pacific Coast area.

The Margaret White Memorial Scholarship fund of \$5000.

The Hiram Whittington Scholarship fund of \$10,000, bequeathed by Mrs. Amy W. Eggleston 1895 in memory of her father.

The Wood Scholarship fund of \$10,000.

The Robert M. Woods Memorial Scholarship fund of \$5000.

New Endowed Scholarships of the 75th Anniversary Fund
(Completed and in the process of completion)

The Elizabeth Arden Scholarship fund of \$20,000, the income to be awarded to a Senior who has achieved and maintained through her first three years good scholastic standing, a position of leadership among her fellow students, a high standard of health, and an attractive personality and appearance.

The Elizabeth Harper Arnold Memorial Scholarship fund of \$10,000 given by Mrs. Harry Bartley Arnold 1900.

The Carolyn Peck Boardman 1891 Memorial Scholarship fund of \$5165 given by her sons, Mr. Ronald P. and Mr. William E. Boardman.

The Gibson Lamb Caldwell Memorial Scholarship fund of \$9400 given by Mrs. Gibson Lamb Caldwell, the income to be used for a French student preferably in the Junior or Senior year.

The Canadian Scholarship fund of \$7159.43 given by alumnae and friends of the College in Canada, the income to be used when possible for students from Canada.

The Helen Clarissa Gross Chandler 1905 Scholarship fund of \$10,000.

The Elizabeth Marguerite Dixon Clark 1906 Memorial Scholarship fund of \$17,000 given by her husband Mr. Henry A. Clark.

The Class of 1897 Scholarship fund of \$22,562.95.

The Class of 1898 Scholarship fund of \$6122.50.

The Class of 1905 Scholarship fund of \$10,150.

The Class of 1949 Scholarship fund of \$3931.40 from members of the Class, their families and friends.

The Virginia Winslow Davis 1909 Scholarship fund of \$10,000.

The Paul Dudley Dean Memorial Scholarship fund of \$4005 given by his family and friends.

The Eleanor S. Duckett and Mary Ellen Chase Scholarship fund of \$10,000 given by friends.

The Gertrude Gladwin 1900 Memorial Scholarship fund of \$10,476 given by friends.

The Howard Rogers Clapp and Howard Rogers Gleason Memorial Scholarship fund of \$11,015 given by members of their families.

The Elizabeth Firestone Graham 1938 Scholarship fund of \$21,221.25 given by her mother and classmates.

The Elizabeth Bancker Gribbel Memorial Scholarship fund of \$10,000 given by Mrs. James A. McCurdy 1909.

The Elizabeth Deering Hanscom Scholarship fund of \$13,785.69 given by friends.

The Mary S. Harkness Scholarship fund of \$10,000.

The Helen Hills 1908 Scholarship fund of \$20,000.

The Ellen Holt 1890 Scholarship fund of \$10,005 given by friends.

The Charlotte Manning Hoover 1932 Memorial Scholarship fund of \$3300.

The Lillia Babbitt Hyde Foundation Scholarship fund of \$20,000, the income to be used for a premedical student.

The Ruth Eckhart Jarvis 1922 Scholarship fund of \$10,500 given by her husband Mr. Lewis A. Jarvis.

The Emily Harris Jones 1936 Scholarship fund of \$10,000 given by her parents Mr. and Mrs. Frederic Jones, the income to be used for needy students from Springfield or Western Massachusetts.

The Kresge Foundation Scholarship fund of \$5000.

The Lathrop Memorial Scholarship fund of \$1350.

The Caroline Saunders Lindeke 1901 Scholarship fund of \$1100 given by members of her family and friends.

The Agnes Linton Scholarship fund of \$1000.

The Jeannette Laws McCabe 1919 Scholarship fund of \$13,800 given by her husband Mr. Thomas B. McCabe, the income to be used for an annual Freshman scholarship to be awarded to a student from the area comprising the Counties of Bucks, Chester, Delaware, Montgomery, and Philadelphia in the State of Pennsylvania. The qualities to be considered in determining the choice shall be character, leadership, scholarship in the order named. The recipient will be determined by Smith College with due consideration to be accorded the recommendations of the President of the Smith College Club of Philadelphia or her designees.

The Helen Roberts McCormick ex-1926 Scholarship fund of \$10,300 given by her husband Mr. Robert E. McCormick and friends.

The Ethelyn McKinney 1895 Scholarship fund of \$20,000.

The Barbara McRoy Scholarship fund of \$43,496.85.

The Ida A. Nathanson Memorial Scholarship fund of \$5000 given by her husband Mr. Edward A. Nathanson, the income to be used to pay the way of some needy student.

The Ruth Perry Neff 1919 Memorial Scholarship fund of \$2500 from the Smith College Club of Madison, Wisconsin, the income to be used when possible for students from Wisconsin.

The Alice Edgerton Parsons 1928 Scholarship fund of \$5000 given by her mother Mrs. Edgerton Parsons 1897.

The Barbara Whitney Peck Scholarship fund of \$10,000, the income to be used for a student interested in dramatics.

The Olive Higgins Prouty Scholarship fund of \$14,518.75, the income to be used for students with a talent for writing.

The Dagmar Megie Ross 1905 Memorial Scholarship fund of \$18,500 given by her husband Mr. George W. Ross, Miss Muriel Haynes 1904, and friends.

The Margaret Roberts Sanborn 1907 Memorial Scholarship fund of \$2500 from friends.

The Laura Shedd Schweppe 1900 Memorial Scholarship fund of \$20,000 given by friends.

The Frances Grace Smith 1893 Scholarship fund of \$55,000, bequeathed by Miss Smith.

The Smith College Club of the Oranges Scholarship fund of \$13,488.

The Caroline Lounsbury Steele 1892 Memorial Scholarship fund of \$2798 contributed by "friends and pupils living about Germantown, Pa."

The Anne Straw (Class of 1948) Scholarship fund of \$15,000 from her parents.
The Otto Sussman Scholarship fund of \$157,325.

The Lulu Morris Wadley Memorial Scholarship fund of \$5000 given by her daughter Mrs. Thomas S. Childs 1932.

The Jane O'Neil Wallis 1933 Memorial Scholarship fund of \$10,505 given by her parents Mr. and Mrs. J. H. Wallis and two friends.

The Mary Rankin Wardner 1892 Memorial Scholarship fund of \$10,000 given by Miss Eliza L. Mitchell 1892.

The Mary Bird Wells 1897 Memorial Scholarship fund of \$3454 given by friends.

The Westmoreland County (Pa.) Scholarship fund of \$9589.

The Mary E. Wilson 1891 Memorial Scholarship fund of \$2000 from the Smith College Club of Berkeley, California.

The Ella Eames Wood 1883 Scholarship fund of \$6026.52.

The Josephine Clews Wrightson Memorial Scholarship fund of \$21,500 given by her five children.

Additions to previously endowed scholarships and fellowships

To the Susan Fuller Albright Scholarship fund \$250 from the Smith College Club of Buffalo.

To the Class of 1883 Scholarship fund in honor of Elizabeth Lawrence Clarke \$6500 from friends.

To the Mildred E. Ford Cobb Memorial Scholarship fund \$5000 from her husband Mr. Frank M. Cobb.

To the Mary Louise Brown Graham Scholarship fund \$1160 from the Smith College Club of Pittsburgh.

To the Ellen Clarissa Gross Scholarship fund \$1000.

To the Harriet Boyd Hawes Scholarship fund \$5600.

To the Elsie Damon Simonds Scholarship fund \$9000.

To the Jean Fine Spahr Fellowship fund \$250 from her daughter Miss Margaret Spahr.

National Scholarships

The Seven College Conference, an informal association of Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar, and Wellesley Colleges, offers annually twenty-one scholarships to incoming freshmen, each college offering one in each of the three districts: Middle West (Kansas, Missouri, Nebraska), South (Louisiana, New Mexico, Oklahoma, Texas), West (California, Oregon, Washington). These scholarships vary in amount from \$100 to full expenses for tuition and residence.

Information and application blanks may be obtained from Mrs. F. Murray Forbes, Jr., 21 Beaver Place, Boston 8, Massachusetts.

Residence Scholarships

Residence scholarships are awarded in three co-operative houses. Entering students desiring rooms in one of these houses should make special application to the Director of Scholarships and Student Aid not later than February 1 of the year when admission is desired. Upperclass students apply for rooms in person at a time specified in the *Weekly Bulletin*.

Lawrence House and Albright House offer opportunity to one hundred and twenty-five students to reduce their living expenses. Board and room may be had

in these houses for \$500 for the college year. Each student is expected to give approximately an hour a day to the work of the house in addition to the care of her own room.

Tenney House, originally established as the gift of Mrs. Mary A. Tenney, is not open to Freshmen. In this house the students co-operate in the purchase of food and in the duties of housekeeping. The cost for a room in Tenney House is \$150 for the year; current prices determine the cost of supplying the table.

In memory of Mrs. Tenney ten scholarships have been established known as the Tenney Residence Scholarships. These consist of \$100 each to be applied toward residence in any college house. They are awarded to students of approved character and scholarship in the three upper classes upon the recommendation of a committee consisting of Miss Mensel and Miss Lincoln.

A residence scholarship is awarded each year from the income of the Charles M. Thayer Memorial fund of \$3000 by the Committee on the Tenney Scholarships.

The White Lodge Scholarship is awarded annually by the President and the Warden.

FELLOWSHIPS

The list of fellowships awarded for graduate work and of those open to students from foreign countries will be found under Graduate Study.

SELF-HELP BUREAU

The College undertakes general supervision of the remunerative work done by undergraduates. Students wishing any kind of employment during the college year should register with the Director of Scholarships and Student Aid, and advice is gladly given in person or by correspondence on the subject of student earnings. Only a limited amount of work is available, most of which is given to students of the three upper classes. Entering students can rarely do much outside work without damage to health or scholarship, so that it is undesirable for a girl to come to college without a good reserve fund to meet the greater amount of the expenses of the first year.

A few upper-class students may be appointed as full self-help students, doing twenty-one hours of work a week in the houses. They will pay a reduced fee for room and board.

SMITH STUDENTS' AID SOCIETY

The Smith Students' Aid Society, Inc., organized in 1897, offers, to the extent of its means, loans of varying amounts to students of approved scholarship and character from the three upper classes. Loans granted shall become due as follows: ten per cent on May 1 of the first year following that in which the borrower's class graduated from Smith College; thirty per cent one year later; and sixty per cent two years later. Interest at six per cent shall begin to run after the said maturity dates. Applications for loans may be made to Miss Eleanor T. Lincoln, 54 Prospect Street, Northampton. Contributions to the work of this Society may be sent to its treasurer, Miss Emma B. Proctor, College Hall, Northampton.

PRIZES

The Alpha Awards are made annually by a committee of the Faculty for excellence in the fields of creative writing, dance, drama, technical art, practical music or composition.

In 1949 Alpha pins were awarded to Lydia Mildred Tyler, Mary Isabelle Teal, Helen Patricia Pels, Carol Rita Newton, and Doris Angela Doehler, all of the class of 1949.

The Elizabeth Babcock Poetry Prize fund of \$2500, established by Miss Edith L. Jarvis 1909 in memory of Elizabeth Babcock ex-1911. The income is to be awarded annually for the poem adjudged best by a committee appointed by the Department of English. The competition is open to all undergraduates except those who have already won the prize; the poem submitted may not have been printed previously.

Awarded to Nancy Quinter Adams 1949.

The Harriet Dey Barnum Memorial Prize fund of \$300, founded by the class of 1916, the income to be used for outstanding work in music.

Divided between Doris Angela Doehler and Judith Ann Raskin (Raskin) 1949.

The Suzan Rose Benedict Prize fund of \$1085.47, the income to be awarded at the discretion of the Department of Mathematics to a Freshman or Sophomore who has done outstanding work in differential and integral calculus, the decision being made by the Department.

In 1949 divided between Lee Hilles and Judith Ann Levenson 1951.

The Samuel Bowles Prize fund of \$2002.69, the income to be awarded to a Senior for the best thesis on a sociological or economic subject.

Awarded in 1949 to Dorothy Roberta Strang (Bordes) for a paper on "The Pertinence of Psychoanalysis to Culture-Personality Studies."

The John Everett Brady Prize fund of \$2000, the income of which is awarded for excellence in translating Latin prose and verse. A special examination is set in the spring.

Awarded to Ann Elizabeth Pierce 1950.

The Margaret Wemple Brigham Prize fund of \$850, established in her memory by friends and associates of the Division of Laboratories and Research of the New York State Department of Health, the income to be awarded to a Senior for excellence in bacteriology.

The Amey Randall Brown Prize fund of \$2000, given by Miss Mabel Brown 1887 in memory of her mother. The income is to be used as a prize for the best essay on a botanical subject.

Awarded to Elinor Florence Kuhn 1950.

The Vera Lee Brown Prize fund of \$1000. On recommendation of the Department of History the income is awarded for excellence in that subject to a Senior majoring in history in the regular course.

In 1949 divided between Mildred Jeanmaire and Joan Ruth Levine.

The Yvonne Sarah Bernhardt Buerger Prize fund of \$5000, the income to be awarded to the undergraduate who has contributed most vitally to the dramatic activities of the college.

Divided among Joan Prentis Baker, Martha Carolyn Handley, Helen Patricia Pels, Margery Claire Quitzau, and Sylvia Wheeler Short 1949.

The James Gardner Buttrick fund of \$1000, given by Mrs. Buttrick in fulfillment of her husband's wish, the income to be used for a prize for the best essay on a subject in the field of religion and Biblical literature suggested by a course in that Department and approved by the instructor.

Awarded to Heli Lehua Jungnickel 1950 for her essay entitled "Josiah Royce: the Problem of Evil and His Conception of God."

The Julia Harwood Caveno Prize fund of \$2000, the income of which is given to an undergraduate for proficiency in Greek language and literature to be tested

by an examination upon an assigned portion of Greek literature: in 1949, the *Iliad*, Book XXIV; in 1950, the *Odyssey*, Books V and VI; in 1951, the *Alcestis* of Euripides.

In 1949 awarded to Lee Hilles 1951.

The Sidney S. Cohen Prize fund of \$2500, the income to be awarded at the discretion of the Department of Economics.

Divided between Lucy Landon Black and Ann Duke Hughes 1949.

The Dawes Prize fund of \$1898.57, the income to be awarded for the best undergraduate work in political science.

Divided among Joan Blumenthal, Olive Virginia La Guardia, and Thetis Aphrodite Touliaou 1949.

The Alice Hubbard Derby Prize fund of \$2555.34, the bequest of Mr. Henry R. Lang in memory of his wife, a member of the class of 1885. The income is to be used for prizes awarded by the Classics Department to students of the Junior and Senior classes who have shown special proficiency in the study of Greek literature in the original in the year in which the awards are made.

The Hazel L. Edgerly Prize fund of \$500, founded in memory of Hazel Louise Edgerly 1917, the income to be awarded on the recommendation of the Department to a Senior in Honors in history for distinguished work in that subject.

In 1949 awarded to Natalie Ann Zemon (Davis.)

The Settie Lehman Fatman Prize fund of \$5000, the income to be awarded for the best musical composition preferably in sonata form by a member of the Senior class or a Graduate Student who is taking Music 42 or Special Studies in Composition.

In 1949 a first prize was awarded to Olga Gratch and a second to Marion Rita Pangborn, Graduate Students.

The Henry Lewis Foote Memorial Prize fund of \$500, given by his wife Mrs. Harriett Risley Foote 1886, the income to be awarded for excellence in classwork in the Biblical courses, 11, 25a, 26a, 27a and b, 36a, 39a.

Awarded to Sally Wurlitzer Griess 1952.

The Clara French Prize fund of \$5000, founded by Mrs. Mary E. W. French, the income to be given to that Senior who has advanced farthest in the study of English language and literature.

In 1949 awarded to Dorothy Reich.

The Helen Kate Furness Prize fund of \$1000, founded by Horace Howard Furness, the income of which is given for the best essay on a Shakespearean theme. There is no restriction on the length of the essays, but in general they are not to be shorter than 4000 nor longer than 10,000 words. The competition is open to all undergraduates. The subject for 1949-50 is "The Idea of Justice as Represented in Shakespeare's Plays"; for 1950-51, "Sleep and Dreams: Their Implications in Shakespeare."

The Sarah H. Hamilton Memorial Prize fund of \$2000, given by her sister Mrs. Julia H. Gleason, the income to be awarded for an essay on music.

In 1949 the income was divided as a first prize to Marietta Lou Case 1949 for a paper on "Verdi and Wagner: Evolution *vs.* Revolution," and a second prize to Sarah Calhoun Carrington 1951 for an essay entitled "Koussevitsky and the Promotion of Contemporary American Music."

The Arthur Ellis Hamm Scholarship Prize fund of \$5000, founded by Mrs. Elizabeth Creevey Hamm 1905 in memory of her husband Captain Arthur Ellis Hamm, the income to be awarded to a Freshman on the basis of the year's record.

Divided in 1949 between Olive May Gibson and Elizabeth Ann Powell.

The Frances A. Hause Memorial Prize fund of \$1000, founded in memory of Frances A. Hause 1922, the income to be awarded to the Senior who has majored in chemistry and has made the best record in that subject.

Awarded to Jessie Van Baalen.

The Mary Augusta Jordan Prize, consisting of a replica in bronze of the medal given to Miss Jordan in 1921 by the alumnae, is awarded by them through the prize committee of the English Department to a Senior for the most original piece of literary work in prose or verse composed by her at any period of her undergraduate course in Smith College. No restriction is made as to subject, style, or length; and the composition may have formed part of the requirements of college study or have been already printed. Care should be taken about the appearance of any manuscript submitted. The work adjudged best may be printed in *The Smith Alumnae Quarterly*.

In 1949 awarded to Dorothy Reich for a poem called "Inventory."

The Florence Corliss Lamont Prize — a medal to be awarded for work in philosophy.

The Emogene Mahony Memorial Prize fund of \$500, founded by Miss Ethel Haskell Bradley 1901, the income to be given for proficiency in organ.

Awarded to Mary Craig McLane 1949.

The Samuel Michelman Memorial Prize fund of \$500, given by his wife, the income to be awarded to a Senior from Northampton for excellence in government.

Awarded to Pamela Joyce Faulkner.

The Mrs. Montagu Prize fund of \$400, founded by Mrs. Abba Louisa Goold Woolson in honor of Mrs. Elizabeth Montagu, the income to be awarded for the best essay on the women of Dr. Johnson's time.

The Victoria Louise Schragger Prize fund of \$2000, given in her memory by her family and Miss Marjorie Hope Nicolson, the income to be awarded annually to a Senior who has maintained a distinguished academic record and has also taken an important part in student activities.

In 1949 awarded to Natalie Ann Zemon (Davis).

The Andrew C. Slater Prize fund of \$1000, the income of which is awarded to an undergraduate for excellence in debate.

The Frank A. Waterman Prize fund of \$335, the income to be awarded to a Senior who has done excellent work in physics.

Awarded to Catherine Stevens.

PHI BETA KAPPA SOCIETY

The Zeta of Massachusetts Chapter of the Phi Beta Kappa Society was established at Smith College during the year 1904-05, and the first undergraduates were elected to membership in April. In 1920 provision was made for the election of a small number of Juniors. Rules of eligibility are established by the Chapter in accordance with the regulations of the national society.

Through the Committee on Graduate Study the Chapter awards the sum of \$50 to a Senior who deserves and needs help in doing graduate work or research.

Awarded to Eileen Patricia Rooney in 1949.

SOCIETY OF THE SIGMA XI

Smith College was the first woman's college to be granted a charter for the establishment in 1935 of a chapter of the Society. Every year the Chapter elects to membership Seniors who excel in two or more sciences and promising graduate students.

Each year, in order to further scientific interest in the student body, a plaque is awarded to the house whose students have the highest grades in science.

In 1949 awarded to German House.

THE VOCATIONAL OFFICE

The Vocational Office serves as a counseling and as a placement office. Students of all classes are assisted through interviews in selecting their future occupations and in relating their courses of study to these occupations. Vocational counseling is offered to the alumnae of the college as well as to the undergraduate. Seniors and alumnae are assisted in finding permanent positions. Underclassmen are also helped in finding summer positions to aid them financially and to give them valuable experience in choosing their future work and in securing permanent positions.

The Vocational Office also serves as a clearing house for the letters of recommendation of seniors and alumnae who have registered with it. These letters are sent upon request to prospective employers, scholarship committees, etc. Address, Miss Alice Norma Davis, Director, Smith College, Northampton.

THE PHYSICAL PLANT

COLLEGE HALL, dedicated in 1875 at President Seelye's inauguration, is the main administrative building of the college.

SEELYE HALL, given by friends of President Seelye with the understanding that the building should bear his name, contains department offices, classrooms which seat over fifteen hundred students, and the laboratories of the Department of Geology and Geography.

SAGE HALL, named in honor of Mrs. Russell Sage and built out of the Four Million Dollar Endowment Fund, is the music building, containing an auditorium seating over seven hundred equipped with a Hammond organ and apparatus for sound motion pictures, a library and a collection of about five thousand records, classrooms, offices, and practice rooms.

HATFIELD HALL, formerly Hatfield House, was transformed into an academic building in 1926, providing needed seminars and classrooms, and space for the Museum of Classical Antiquities and the laboratory of phonetics.

PIERCE HALL, until 1924 the music building, was then named in honor of Arthur Henry Pierce, Professor of Psychology from 1900 to 1914, and is devoted mainly to that Department.

LILLY HALL OF SCIENCE contains the lecture rooms, laboratories, and library of the Department of Physics. It was the gift of Mr. Alfred Theodore Lilly, of Florence, Massachusetts.

THE OBSERVATORY with its original equipment was given by President L. Clark Seelye and Mr. A. Lyman Williston in honor of their wives Henrietta Chapin Seelye and Sarah Tappan Williston. Additions to the building and equipment were made possible by the Eliza Appleton Haven Fund. The instruments include equatorial telescopes of eleven and six inches aperture, a three-inch Ross camera, a four-inch transit instrument with zenith level, and other apparatus for teaching purposes. The flat roofs of the Observatory and the Library wing furnish ample space for naked-eye observing.

STODDARD HALL, in part the gift of the class of 1895 and their friends, and named in honor of John Tappan Stoddard, professor in Smith College from 1878 to 1919, was built in 1898 and enlarged by an addition in 1918. It is fully equipped with lecture room, library, laboratories, classrooms, offices for instructors, and the latest appliances for chemical work.

BURTON HALL, a building of modern fireproof construction provided with the best equipment for the study of the biological sciences, was named for President Burton, and was opened for use in September, 1914.

THE WILLIAM ALLAN NEILSON LIBRARY, the gift of Mr. Andrew Carnegie, alumnae, and students, now contains 356,286 volumes, this number including those books and pamphlets housed for greater convenience in the libraries of the art, music, and science buildings. The open-shelf system permits free access to all books. In the Library building there are department seminar rooms, a large reference room, general reading and study rooms, a Rare Book Room, and a room for the college archives. The Browsing Room, furnished like a private library and lined with shelves holding the works of standard authors in the best editions, offers opportunity for and encourages leisure-hour reading. A wing was built in 1937 to provide space for more stacks, and to make possible the addition of carrells, seminar rooms, and offices for staff and instructors. The Little Chapel occupies the outer end of this wing.

THE HILLYER GALLERY, named for Mr. Winthrop Hillyer whose gift and bequest made this first art gallery possible, is provided with studios and exhibition rooms, a library of art in memory of Mr. Drayton Hillyer, a collection of approximately thirty thousand photographs and twenty-eight thousand slides. Graham Hall, a lecture hall fitted with lantern and screen, was added through the generosity of Mrs. Christine Graham Long 1910.

When the TRYON GALLERY was presented to the college by Mr. and Mrs. Dwight W. Tryon, most of the paintings, prints, and other works of art were transferred to it from the Hillyer Gallery. There are galleries for loan exhibitions, which are arranged under the auspices of the Museum of Art to supplement the permanent collections.

JOHN M. GREENE HALL, given by Mr. John D. Rockefeller and other donors, and named in honor of the Reverend John Morton Greene seats nearly twenty-three hundred people. In addition to the exceptionally fine four-manual organ which was presented by the class of 1900 as a memorial to Mrs. Cornelia Gould Murphy, there are two accessory two-manual organs.

THE ALUMNAE GYMNASIUM, given by the alumnae and their friends in 1891, contains a hall arranged for gymnastic exercise and indoor sports, a bowling alley, and a faculty squash court.

THE SCOTT GYMNASIUM was named in honor of Mr. Walter Scott and built out of the Four Million Endowment Fund. In it are a large hall for indoor gymnastic work, a hall for corrective gymnastics, a dance room, and a swimming pool 23 by 75 feet.

THE RECREATION FIELDS, over thirty acres in extent, including the Allen Field, the gift of Mr. Frank Gates Allen, of Moline, Illinois, and the New Athletic Field, afford opportunities for such sports as hockey, tennis, archery, cricket, volleyball, clock golf, and basket ball.

THE BOATHOUSE has accommodation for canoes, rowboats, and eight rowing machines. In the CREW HOUSE are eight rowing shells and a large recreation room.

THE FIELD HOUSE was built on the New Athletic Field in the summer of 1939 with funds given by the classes of 1938 and 1939, the undergraduates, the Athletic Association, and the Trustees. Besides storage space for athletic equipment and skates and skis, it contains a lounge, a kitchenette, a small meeting room, and dressing rooms for men and women.

THE LYMAN PLANT HOUSE, the gift of Mr. Edward Hutchinson Robbins Lyman in memory of his mother Anne Jean Lyman, comprises nine greenhouses illustrating the vegetation of different climates and providing material for laboratory study, together with physiological and horticultural laboratories.

Adjoining the Plant House is the **BOTANIC GARDEN**, an herbaceous garden designed for horticultural study, with sections to illustrate plant classification and habits. Arranged about the college grounds are smaller gardens and a collection of numerous varieties of native and imported trees and shrubs.

THE ELIZABETH MASON INFIRMARY, at the head of Paradise Road, was opened in 1919. Its name commemorates Mrs. Elizabeth Mason Howland, a graduate of the class of 1904 and a daughter of Mr. Frank H. Mason of Akron, Ohio, whose gift completed the fund raised by the Alumnae Association. It is a fireproof building carefully designed to serve the peculiar purposes of a college infirmary, and can accommodate sixty students. The Florence Gilman Pavilion which is partly completed increases the facilities for the care of students.

THE STUDENTS' BUILDING, built mainly by the efforts of the students and the alumnae in 1903, and designed to be the center of the social life of the students, still contains a few rooms for student organizations. There is a small theater and classrooms and offices of the Departments of Speech and of Theatre are now located in this building.

DAVIS STUDENT CENTER, formerly Faunce Hall and before that the gymnasium of the Capen School, has been converted into a recreation hall for use by the students to compensate for the lack of room in Students' Building. At their request it was named for President Herbert Davis.

GILL HALL on Prospect Street is used by the Department of Education and Child Study for the Smith College Day School. In addition to the classrooms there is an assembly hall seated for two hundred. Adjoining is a large playground.

THE ELISABETH MORROW MORGAN NURSERY SCHOOL, acquired through the bequest of Mrs. Morgan 1925, occupies a site adjoining the Smith College Day School.

THE ALUMNAE HOUSE, presented to the College by the Alumnae Association in 1938, contains offices for the Association staff, rooms for the use of the alumnae and the college including a conference room seating two hundred and forty.

DORMITORIES. There are thirty-six dormitory units affording accommodation for about two thousand students. The list with the names of the Heads of House may be found on page 31.

Besides these buildings which have been listed the College owns a large laundry, a central heating plant, a riding stable with outside ring, about fifty houses occupied by members of the Faculty and staff, garages, and buildings used by the Department of Buildings and Grounds.

ADMISSION OF STUDENTS

STUDENTS may be admitted to Smith College as candidates for the degree of Bachelor of Arts, either as members of the Freshman class, or as members of the Sophomore or Junior classes with advanced standing.

APPLICATION FOR ADMISSION

It is advisable for the candidate to communicate with the Board of Admission well in advance of entrance—if possible during the third year of secondary school—in order that the College may assist her in planning her work, and may give her information and advice concerning her entrance plans.

Forms of application will be furnished upon request to the Board of Admission. A registration fee of ten dollars, which is not refunded, must accompany each application card. Rooms are assigned to entering students in the order of their original dates of application. The date of application is not considered, however, in the selection of candidates.

SELECTION OF CANDIDATES

The Board of Admission attempts to select from the complete list of applicants those students whose records of character, health, and scholarship give evidence of their equipment for college and indicate the greatest promise of their profiting by its advantages.

Admission is based on the candidate's record as a whole: the school record, the principal's recommendation, the College Board tests, the results of any psychological tests which the student may have taken (the Iowa Silent Reading Test and the American Council Psychological Tests are strongly recommended), the Regents' examinations for students from New York public schools, and other information secured by the college regarding general qualifications. All credentials should reach the Board of Admission before April 1 if the student wishes to have her application considered at the April meeting of the Board.

When the student is notified of her acceptance for admission she will receive a health blank which she must return to the College Physician with a full history of her health.

A deposit of \$50 must be made by June 15 if the student wishes to accept a place in the college. This deposit cannot be refunded in case of withdrawal before entrance.

ENTRANCE REQUIREMENTS

Candidates are urged to plan their program of study as early as possible in the secondary school course, bearing in mind the important relationship between school and college work. The normal program which the College recommends consists of sixteen units, and should be distributed as listed below. (A unit represents work involving four or five exercises a week for the whole school year, except in sciences which include laboratory periods.) The Board of Admission is willing to consider able candidates who do not meet all of the requirements.

REQUIRED SUBJECTS

English 4 units

In two of the following three fields the maximum number of units must be offered. For example, if a student offers three or four language units she must present four units in mathematics-science and two in history.

Languages 3, 4, or 5 units

Three units in one language or two units in each of two must be offered by all candidates. If language is chosen as one of the two fields of maximum offering Latin or Greek must be included. No credit will be given for one unit.

Mathematics-Science 2 or 4 units

One unit of algebra and one of geometry must be offered. If mathematics-science is chosen as one of the two fields of maximum offering three units must be in mathematics (algebra 2, geometry 1) and one in a laboratory science (biology, chemistry, physics), or four may be in mathematics

History 1 or 2 units

One unit is required. If history is chosen as one of the two fields of maximum offering the two units must be in different fields.

ELECTIVE SUBJECTS

In addition every candidate will present two or three elective units chosen from the fields of languages, mathematics-science, history. Courses in art, music, and Bible may also be offered as stated on page 62.

COLLEGE ENTRANCE EXAMINATION BOARD TESTS

Candidates for admission to the Freshman class are required to take the Scholastic Aptitude Test and three Achievement Tests. One Achievement Test must be in English; the others must be selected from two of these fields—(1) foreign languages (French, German, Latin, Spanish), (2) mathematics or science (intermediate mathematics, advanced mathematics, biology, chemistry, physics), (3) social studies (history).

All candidates will be required to take these tests in their senior year. Students who complete the school course in June will be expected to take the three Achievement Tests in March of that year and the Aptitude Test in January or March. If they take the Aptitude Test in January they should not repeat it in March. Those students who are graduated in the middle of the year may take all the tests in January.

General Information about the College Board Regulations

In 1950 the College Entrance Examination Board will give the Scholastic Aptitude Test (including verbal and mathematical sections) and the Achievement Tests January 14, March 11, May 20, and August 9.

A *Bulletin of Information* containing rules for the filing of applications and the payment of fees, lists of examination centers, samples of the various test questions, etc., may be obtained without charge from the College Entrance Examination Board.

All candidates, except those living in states or foreign areas listed below, should make application by mail to the College Entrance Examination Board, Box 592, Princeton, New Jersey. Those who wish to take the examinations in Arizona,

California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii, Alberta, British Columbia, Mexico, Australia, and Pacific islands including Formosa and Japan should address their inquiries and send their applications to the College Entrance Examination Board, Box 2416, Terminal Annex, Los Angeles 54, California.

In order to facilitate the arrangements for the conduct of the tests all applications should be filed as early as possible. The fee for the Scholastic Aptitude Test taken alone is \$6; for the Achievement Tests alone \$8; for the Aptitude Test and the Achievement Tests \$12. Applications and fees should reach the office of the Board not later than the dates specified: For examination centers in the United States, Canada, Canal Zone, Mexico, or the West Indies, December 24 for the January series, February 18 for the March, April 29 for the May, and July 19 for the August; outside of the United States, Canada, Mexico, and the West Indies, November 26, January 21, April 1, and June 21 respectively. Belated applications will be subject to a penalty of \$3 in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. Under no circumstances will an application be accepted if it is received at a Board office later than one week prior to the date of the examination.

Requests for the establishment of overseas centers should reach the appropriate Board office at least eight weeks prior to a scheduled examination date.

The College Entrance Examination Board will report the results of the tests to the institutions indicated on the candidates' applications. The college will, in turn, notify the candidates of the action taken upon their applications for admission. No reports on the tests will be sent to candidates by the Board.

The present college-choice procedure of the College Entrance Examination Board permits candidates to list two or three colleges as equally preferred or to rank them in preferential order. The Board of Admission hopes, however, that candidates will fill in the College Board blank as realistically as possible so that the College may be able to estimate numbers more accurately and to notify students promptly of acceptance or rejection.

ADMISSION FROM FOREIGN COUNTRIES

The College is interested in admitting foreign students and is willing to make exceptions for students who give evidence of ability to do the work at Smith College. Applicants are advised to communicate with the Director of Admission well in advance of entrance in order that the College may advise them concerning their entrance plans.

ART, BIBLE, MUSIC

Smith College accepts for entrance credit elective units in art, Bible, and music. Candidates who wish to offer any of these units should correspond in advance with the Director of Admission, sending outlines of the courses they wish to present.

ART

Any student wishing to offer a unit in art, either historical or technical, should communicate with the Director of Admission.

An examination in the history of art will be given by the College to candidates for entrance where it is desirable. This examination will include a choice of questions involving a survey of architecture, sculpture, and painting in the Western

world from earliest times to the present day, with special reference to the relation between the arts and their historical background. In preparation attention should be given to the study of original works of art, where possible, in addition to study from slides and other reproductions. The following list of books shows the type of reading which is acceptable: Holger Cahill and Alfred H. Barr, Jr.: *Art in America*; Helen Gardner: *Art through the Ages* (revised ed.); Chandler Rathfon Post: *A History of European and American Sculpture*; J. D. Beasley and B. Ashmole: *Greek Sculpture and Painting*; Frank Jewett Mather, Jr.: *Venetian Painting*; Roger Fry: *Flemish Art, A Critical Survey* (Brentano, 1927); C. H. Collins Baker: *Dutch Painting of the Seventeenth Century* (*The Studio*, London, 1926); *German Art from the Fifteenth to the Twentieth Century* (with Introduction by Helen Appleton Read. The Oberlaender Trust, Carl Schurz Memorial Foundation, Philadelphia, 1936). The Department may be consulted for a more detailed list.

BIBLE

Work offered for entrance in Bible will ordinarily be tested by an examination set in the spring. Smith College will accept without examination a unit in Bible from schools whose courses in the subject have been approved by the Department of Religion and Biblical Literature, these courses being in general of the standard suggested by the National Association of Biblical Instructors for college entrance work in Bible.

MUSIC

Music may be offered for one, two, or three units as follows: One unit, fundamentals of music; two units, fundamentals of music and literature of music, or fundamentals and practical music (literature of music and practical music may not be offered except with fundamentals); three units, fundamentals of music, literature of music, and practical music.

Students offering music for entrance credit are expected to have followed such courses in preparatory school as are outlined in the special pamphlet, *Outlines of Courses in the Fundamentals of Music and Musical Literature Which May Be Offered for College Entrance Credit in Music*. This may be obtained by writing to the Secretary of the Department of Music, Sage Hall. All students applying for entrance credit will be required to send in notebooks showing the material they have covered.

Those who offer practical music for entrance credit must send in a list of the pieces they have studied.

Students who intend to go on with practical music in college must be prepared to show they are qualified to do so. Tests of such qualifications are outlined on page 126.

ADVANCED STANDING

A limited number of students may be admitted each year with advanced standing from other colleges. At least two years' residence at Smith College is ordinarily required of a candidate for the degree of Bachelor of Arts.

Candidates for admission with advanced standing should submit a written statement of their reasons for wishing to transfer to Smith College. They must present evidence that they have had the subjects required for admission to the Freshman class and that a satisfactory score has been achieved either in the Scholastic Aptitude Test or the College Ability Test of the College Entrance Examination Board. They must secure from the college previously attended a letter of honorable dismis-

sal and a transcript showing that they have attained a superior record in a program that correlates with the requirements of the curriculum indicated on page 69.

Admission for all students is competitive. The Board of Admission reserves the right to reject any candidate who falls below the standard of any given year set by the records of that year's candidates. A candidate thus rejected for admission as a Sophomore may not apply for admission as a Freshman, nor may a similarly rejected applicant for Junior rank seek admission as a Sophomore.

Candidates for admission with advanced standing who have been unsuccessful candidates for admission to Smith College as Freshmen will be expected to present a very high record at the college from which admission is sought by transfer. Students who for at least one year have carried an adequate college program at an approved institution, whether a four-year college or a junior college, may not disregard that record and apply for admission as Freshmen but must apply under the regulations governing admission with advanced standing.

Subject to these conditions admission from approved colleges and credit for work (except in practical music and art) done there will be granted without examinations after a full transcript of the student's record has been received.

Students admitted with credit of more than twenty and less than fifty-one semester hours will be ranked as Sophomores. Those credited with more than fifty hours will be ranked as Juniors except when, in the opinion of the Board of Admission, they are unprepared for this rank, in which case they may be admitted as Sophomores with adjusted credits. Any shortage below thirty or sixty hours, the normal number of credits at the beginning of the Sophomore or Junior year respectively, must be made up later by the carrying of hours above the minimum of fifteen a semester. Removal of a shortage of more than three hours will usually involve attendance at an approved summer school.

Advanced standing students during their first semester of residence may not elect more than seventeen hours except by permission of the Administrative Board.

Application for admission should be made to the Director of Admission as early as possible and in general not later than April 1 of the year in which admission is sought.

NONCOLLEGIATE STUDENTS

Women not college graduates, but of an age beyond that of the ordinary undergraduate, who give evidence of a serious purpose and are otherwise properly qualified, may be admitted to courses of study or to supervised research work in the college with the approval of the Registrar and the instructor concerned. The fee is \$22.50 per semester hour.

These students must fulfill all the requirements of the course or courses taken by them, and shall not be allowed to continue more than one semester in a course in which they have failed to meet the requirements, or in which their presence is found to be detrimental to its primary object. The decision of the instructor on these matters shall be final.

Students of this class shall not be candidates for a degree but may, on request, obtain from the Office of the Registrar a certified statement of their work.

AUDITORS

Any person not connected with the college may be an auditor, provided she has obtained the permission of the Registrar and of the instructor concerned. The fee is \$5 per semester course.

RESIDENCE AND ATTENDANCE

RESIDENCE

1. The minimum residence requirement for undergraduates (Seniors excepted) for a college year shall be two full semesters in college less six nights of absence in each semester for Freshmen, seven for Sophomores, eight for Juniors. [The administration of this rule and the granting of exceptions for such reasons as illness shall lie with the Administrative Board.] Any student absent for the allowed number of nights a semester for whatever reason should report to the Office of the Warden before taking further absence at night. Every night spent outside a college house, whether in or out of Northampton, will be included as one of the nights of absence.

EXCEPTION: Saturday nights, the night before Memorial Day, and nights during the two examination periods, when spent at the cabins.

2. Residence in each semester is reckoned from chapel on the first day through the last examination of each individual student. However, at the beginning of the Christmas and spring recesses the residence requirements for each studentrd end with her own last academic appointment of the term.

3. Only those students may extend the winter or spring recess either at the beginning or the end who live beyond the western boundary of Minnesota, Iowa, Missouri, Arkansas, and Louisiana, or a similar distance from Northampton.

NOTE.—These regulations are applicable only to students living in houses controlled by the college.

ATTENDANCE AT COLLEGE CLASSES

1. Students are expected to attend all their scheduled college classes and not to absent themselves without adequate reason.

(a) Upper-class students.

In general the responsibility for keeping this obligation shall rest with the student, but the Administrative Board has power to deal with individual cases of nonattendance.

(b) Freshmen.

Freshmen are required to attend classes throughout the first semester. They may be permitted unexcused absences to the number of credit hours that they are carrying, these absences to be distributed pro rata according to the number of hours credit per course.

In the second semester those who have attained a B average may take the responsibility for their own attendance. Those who are below diploma grade are not permitted any absences. For others the attendance regulations of the first semester are continued.

Absences do not relieve the student from responsibility for work required while she was absent, and the burden of proof that she has done the work rests with her. In courses in which the work cannot be satisfactorily tested by written examination, the instructor shall be the judge of the relation of the student's attendance or nonattendance to her grade.

2. At the beginning of the first semester students shall register in person at Assembly; after the winter and spring recesses with the Head of House on arrival, those living at home with the Registrar. The Faculty *requires* attendance in

all classes meeting on the first day of each semester, on the Wednesday preceding and the Monday following Thanksgiving Day; also on the two days before and the day after the Christmas and spring recesses. Every student who does not register and attend classes in accordance with this regulation must check her record in the Office of the Registrar within a week of her absence. If she was absent because of illness a report must also be filed in the Office of the College Physician.

3. Students who come under the following heads are placed on the Registrar's List:

(a) Sophomores and Juniors who are below diploma grade. These students are required to attend all classes with the exception of two days of automatically excused absence in each semester and days of illness which are reported to the Doctors' office. Absence from even one class shall count as one of these days. No other absences are permitted.

(b) Students who, for reasons which the Registrar does not regard as sufficient, have failed to register and attend classes in accordance with the regulations. These students may not be absent from class. The administration of this rule and the granting of exceptions shall lie with the Administrative Board.

4. Every Freshman and every student on the Registrar's List is subject to the following regulations:

(a) She is responsible for checking in the Office of the Registrar her own record of *all* absences and excuses for whatever cause.

(1) If she is absent because of illness a report must also be filed in the Office of the College Physician.

Illness in the dormitory is reported by the Head of House.

Illness out of town is reported by the student herself within a week of her return.

(2) If she is on the Registrar's List and is absent from class for any reason except illness she must report to the Registrar within a week.

(3) If she is a Freshman she is responsible for keeping count of the number of her absences from each course and for checking in the Registrar's office which of her absences have been excused.

(b) She may not be excused early from class and counted present except by permission of the Registrar.

(c) No change from division to division is allowed in order to prevent or remove records of absences.

ABSENCE BECAUSE OF ILLNESS

If classes are missed or nights are spent away from college because of illness the absences may be excused by the Registrar or the Warden on recommendation from the Doctors' office. [If the health regulations have been carried out at the times when any illness or accident has occurred reports will be on file at the Doctors' office and recommendations will be made from these.] Students should inquire at the Office of the Registrar whether their absences from class have been excused, and at the Warden's office regarding excuses for nights out of residence.

ABSENCE FROM EXAMINATIONS

The absence of a student from an examination must be reported to the Registrar's office as soon as possible. If the absence is caused by illness an excuse must be obtained through the College Physician; if the absence is for any other reason an excuse must be obtained by the student from the Registrar.

There are two periods a year set aside for make-up examinations when students who have been given permission to do so are required to present themselves: (1) as far as possible within the first month of the academic year for those students who were absent from finals; (2) as far as possible within the first month of the second semester for those students who were absent from the midyear examinations.

When students are officially excused from presenting themselves at the "make-up" following the one from which they were absent, they are required to take the next regular examination scheduled in the course. Special arrangement is made for Seniors who, in the final examinations of Senior year, have been absent because of illness.

Students may not take examinations or tests at the same time as the rest of the class in other than the officially appointed places except by permission of the Administrative Board.

No student will be excused from an examination given her class except by vote of the Faculty obtained through the department concerned.

MARRIAGE

A student planning to marry while in college must consult the Warden before the marriage takes place if she wishes to remain in college.

WITHDRAWAL FROM COLLEGE

A student expecting to withdraw from college must file with the Registrar a letter from her parents or guardian giving permission and the reason for withdrawal, and obtain from her a card of withdrawal which must be presented to the Head of House before the student leaves college.

READMISSION

No student who has withdrawn from college may be readmitted except with the permission of the Administrative Board. Application for readmission in September should be sent to the Registrar before April 1; for readmission in February before December 1.

In general, students who have withdrawn from college at the end of the first semester will be permitted to return only in the following February.

THE COURSE OF STUDY

THE curriculum is administered by the Administrative Board, constituted as follows: the Dean (chairman), the Warden, the four Class Deans, the Registrar, the College Physician, and three other members of the Faculty.

REQUIREMENTS FOR THE A.B. DEGREE

For graduation every student must have completed one hundred and twenty hours plus the prescribed work in physical education, taking a minimum of fifteen hours a week each semester. A cumulative average of at least 2.0 is required; the average for the Senior year must be 2.0 or above. At the end of any year, if a student's average is below 2.0, her case is subject to review by the Administrative Board, and she may be excluded from college.

The normal program covers four years. In special cases, when plans can be approved during the Freshman year, it may be possible for students to complete the work in three years by attending two summer sessions elsewhere.

Only in rare cases will the degree be granted after a shorter period of residence at Smith College than two years, one of which must be the Senior year.

GRADES

Grades are assigned with the following significations: A, excellent; B, good; C, fair; D, poor; E, failure.

In the courses designated as year courses, the grade which the student obtains at the end of the second semester is the final grade for the year.

FAILURES AND WARNINGS

A failure in a course involving a shortage in hours must be made up before graduation by carrying an equivalent amount of work above the minimum in subsequent years.

The failure in the course may be made up by repeating the course or by taking other work which conforms to the regulations of the curriculum applicable to the course for which it is offered as a substitute.

A student who has failed in the work of five or more hours in two consecutive semesters or in any three semesters, or who has failed in the work of ten or more semester hours in a year is excluded from college unless special exception be made by vote of the Administrative Board.

Any student whose scholarship is generally unsatisfactory may be brought before the Faculty for action and excluded from college.

A student who has failed in the work of five or more hours in a semester receives an official warning.

While instructors will use all reasonable means to inform the student of her liability to fail in her work, the student must not in any case regard the absence of such notification as a claim to exemption from a failure.

THE CURRICULUM FOR THE CLASS OF 1950

Members of this class will plan their schedules according to the statements on pages 5 and 6 of the COURSES OF STUDY pamphlet for 1948-49 and will follow the requirements for the major as listed in it.

FOR THE CLASS OF 1951 AND LATER CLASSES

SPECIAL REQUIREMENTS

Freshmen are required to take English 11. The College requires of every Freshman a knowledge of the fundamentals of hygiene. This requirement may be met in one of several ways as described under the Department of Hygiene and Bacteriology.

Freshmen and Sophomores are required to take three periods of one hour each in physical education which do not count as credit hours.

All students will be required to pass a course in the literature of one foreign language, ancient or modern. They will normally be admitted to these courses on the basis of three units in the language or of twelve semester hours taken in college or in approved summer schools. The courses which may be taken to fulfill this requirement are marked (L).

DISTRIBUTION REQUIREMENTS

In addition to the special requirements students must complete before the end of Junior year the requirements in the different Divisions of the curriculum as listed. The courses that may be taken for this purpose are named at the head of each department offering.

Division I. The Humanities

Group A. Literature: Biblical Literature, English, French, German, Greek, Italian, Latin, Russian, Spanish, General Literature

Group B. Fine Arts: Art, Music, Theatre

Group C. Philosophy, Religion

Division II. Social Sciences and History

Group D. History

Group E. Social Sciences: Economics, Government, Sociology, Social Science

Division III. Natural Sciences and Mathematics

Group F. Physical Sciences and Mathematics: Astronomy, Chemistry, Geology, Physics, Physical Science; Mathematics

Group G. Biological Sciences: Bacteriology, Botany, Psychology, Zoology, Biological Science

Group A. Six semester hours in a departmental literature course in a language other than the one offered for fulfillment of the foreign language requirement, or in an interdepartmental literature course. Students who enter without any units in Latin or Greek must take a course in classical literature either in the original or in translation.

Groups B and C. Six semester hours, but students are urged to take six hours in each Group if possible.

Group D. Six semester hours.

Group E. Six semester hours in a departmental or interdepartmental introductory course.

Groups F and G. Twelve hours of which at least six must be in a laboratory course. The work must be so chosen that the student will have an entrance unit or six semester hours in college in a physical science of Group F and in any science of Group G.

In exceptional cases exemptions may be granted from the special requirements and from the distribution requirements.

JUNIOR AND SENIOR YEARS

During Junior and Senior years students must complete sixty semester hours of work which is divided between a major and elective courses, or must complete a program toward Honors as outlined by the various departments.

Not more than twelve semester hours of Grade I and not less than twenty-four semester hours above Grade II may be taken for credit toward graduation.

THE MAJOR

In the spring of Sophomore year or earlier every student will indicate the subject of her special interest (her major) and plan her further work with this in mind. The major is based on a designated course or courses taken in Freshman or Sophomore year. As work in the major occupies half or more of the student's time in the two upper years the choice of the major is of great importance.

Of the thirty semester hours taken in the major at least eighteen must be in courses of Grade III or higher in the field of concentration and of these twelve must be in the department. Students are required to take not less than twelve hours in the major field in each of Junior and Senior years. Courses taken in Sophomore year, exclusive of the basic course, may be counted in the major.

At least six semester hours must be taken in Junior or Senior year in a Division other than the one in which the student is majoring.

When a student enters upon her major she comes under the direction of an adviser in that department and must obtain the approval of the adviser for her major program of study.

Full statements of major requirements follow the course offerings in each department.

The curriculum also includes Interdepartmental Majors which are described in full on pages following the departmental offerings.

No majors are offered in hygiene, physical education, or speech.

Students who choose a major in certain departments may spend the Junior year abroad as outlined below.

THE JUNIOR YEAR ABROAD

Students in good standing and with sufficient language training may, if conditions permit, spend the Junior year in certain foreign countries in groups directed by members of the Smith College Faculty. The Junior Years in France, Italy, and Mexico are intended primarily for language majors and the Junior Year in Geneva primarily for students majoring in economics, government, history, or sociology. However, majors in other fields with adequate preparation in language may apply to the appropriate committees with the consent of the department of the major. Properly prepared students from other colleges may be admitted to the groups.

The Junior Years Abroad are planned to afford as rich an opportunity as possible to observe and study the countries visited. Art, music, and theater are available in the different cities and the Directors arrange occasional meetings for the groups with outstanding scholars, writers, and leaders. During the vacations students are free to travel to broaden their acquaintance with the country, although they may stay in residence if they prefer.

Applications, including permissions from parents, must be made by January 15 to the Dean of the Sophomore class. The size of the group and the selection of candidates will be determined by a Faculty committee for each group. It is expected that applicants will have met all the college requirements of the first two years and any special conditions set by the Committees on the Junior Year Abroad. The physical condition of each student must be passed upon by the College Physician.

The Director of the group is granted by the College full control in matters of behavior and discipline, although the details of group procedure will be worked out with a student committee. The students are subject to social regulations similar to those that obtain in Smith College, but adapted to the different countries. The supervision of the Director ends with the close of the college year in each country.

The fee covering tuition and board in 1949-50 will be \$1600; travel and incidental expenses will vary according to individual tastes and plans. A deposit of \$50 is payable by May 1 by students who have been provisionally accepted. It will be credited on the second semester bill and will not be refunded unless notice of withdrawal from the group is sent the Class Deans' office before June 1. Payment for the first semester should be made by August 15 in the case of students going to France, Geneva, Mexico, and Italy, for the second semester by January 15. Checks should be sent to the Treasurer of Smith College, Northampton.

Neither the College nor the Director assumes or accepts any responsibility for personal injury to members or damage to or loss of property of members. Students are required to carry health and accident insurance which is available through a general college plan.

Junior Year in France

Arrangements will be made for students to live in Paris with carefully selected families or in a club such as Reid Hall. Full-time Junior programs consisting of work in French literature, history, and art, and other aspects of French culture are planned by the Director. Courses will be given by professors from the Sorbonne and other institutions. The language requirement for admission to the group is usually two years of college French if the student has entered with three units.

Junior Year in Italy

The work of the year will begin with a month in Perugia where intensive study of the language is undertaken at the University for Foreigners and with the Director. After the first of October this study is continued in Florence. The middle of November the group starts work in classes conducted especially for Smith College by professors of the University of Florence. The subjects offered are Italian art, history, language and literature. In Perugia the students stay in a first-class hotel or pension; in Florence they live in private homes chosen by the Director. The minimum requirement for admission is normally two years of college Italian. By special action of the committee promising students with only one year of Italian may be accepted.

Junior Year in Mexico

October is spent in one of the smaller provincial cities, such as Puebla or Morelia. Students live with carefully selected families in order to learn the language and the customs of the country. About the first of November the group moves to Mexico

City where it lives in an attractive house rented by the College. Classes are available in Spanish literature and composition, Mexican art, archaeology, and history, and various other aspects of Mexican and Latin-American culture. They are taught by professors from different colleges and the University of Mexico. A minimum of two years of college Spanish is the normal requirement for admission.

Junior Year in Geneva

The work in Geneva consists of international studies instead of the history and culture of a single country, and accordingly the group is composed primarily of majors in history, government, economics, and sociology. The courses permit the students, through work in the Graduate Institute of Higher International Studies and the University of Geneva, to study plans for world co-operation. Classes are available in diplomatic and contemporary history, international economics and finance, international law, and similar subjects. As the courses are given in French students are expected to pass one year of the language in college if they have entered with three units, and all applicants should pass at least one course in the second semester of Sophomore year. Any students who do not fulfill these requirements will be tested for their proficiency in the language. It is strongly urged that work in at least two fields of the social sciences be offered.

Junior Exchange with Toronto

Since 1945 an exchange of students in the Junior class with Juniors at the University of Toronto has proved to be highly successful. For the year the Smith Juniors live in the colleges of the University and carry on programs approved by their major advisers. Candidates from Smith must have demonstrated their ability to do work of Dean's List rating and have the approval of the chairman of their major department. Not more than eight exchanges will be arranged in any year. Regular Smith College fees, covering residence and tuition at the University of Toronto, will be paid to the Treasurer of Smith College by exchange students.

THE DEGREE WITH HONORS

PURPOSE. Honors work is designed to offer for properly qualified students certain advantages normally not possible in a regular five-course program. It permits more flexibility in the arrangement of individual programs, a greater measure of individual instruction, and an opportunity for integrating the work done. It is intended to give more freedom to those who wish it and at the same time to provide recognition for those who have demonstrated their ability to do work of high quality.

AWARD. The degree is awarded with Honors in three grades, *summa cum laude*, *magna cum laude*, and *cum laude*, based on (a) an independent piece of work which may involve the preparation of a long paper or the conduct of an investigation, (b) an estimate of the work in courses and units in the major field made by the department of the major, (c) three final examinations.

If a student fails to be awarded Honors she may be granted a degree without Honors if her work is of sufficient merit.

ADMISSION. A student having an average of B for the three semesters preceding her application is eligible for Honors. Other students will be admitted on the recommendation of the department of the major and with the approval of the Committee on Honors.

Subject to special requirements of individual departments students may enroll at the beginning of either semester of Junior year or at the beginning of Senior year. They may withdraw only upon recommendation of the department of the major and the approval of the Committee.

PRIVILEGES. An Honors candidate will have (a) the greatest possible elasticity in the arrangement of her program (with the permission of the director she may carry less than fifteen hours), (b) preference over other undergraduates when admission to units or seminars must be limited, and over other Honors candidates according to priority of candidacy, (c) exemption from all course examinations at the end of Senior year.

The specific requirements in each department will be found under the department offerings.

RULES GOVERNING ELECTION OF COURSES

1. Each student is required to make herself familiar with all regulations governing the curriculum and to present her course card, properly filled out, at the time and place designated in the *Weekly Bulletin*. While all possible aid and direction are given by the Faculty Advisers, the Advisers of the Major, and the Class Deans, each student is held responsible for errors in her choice of studies.
2. Courses are arranged in five grades indicated by the first digit in the course number. Those of Grade I are primarily for Freshmen, those of Grade II for Sophomores. Courses of Grade III are for Juniors and Seniors, but are also open to Sophomores when a statement to that effect is included in the description. Grade IV courses are for Seniors, Honors students, or qualified Juniors. Grade V courses are for Graduate Students.

Under certain conditions as outlined in a, b, and c students must file a petition with the Administrative Board. This requires the recommendation of the chairman of the department and the instructor and the consent of the Administrative Board.

(a) Students who wish to enter a course for which they have not had the stated prerequisite must file a petition with the Administrative Board.

(b) Freshmen and Sophomores who wish to enter a course of a higher grade than is normally open to their class must file a petition with the Administrative Board. Exceptions in the languages and sciences are made for those students who have the stated requirements.

(c) Juniors not taking Honors work who wish to enter a course of Grade IV must have the permission of the department concerned.

(d) Seminars of Grade IV, limited to ten students, are open to Juniors and Seniors only by permission of the instructor. Students not candidates for Honors are permitted to take only one seminar in a semester.

(e) Special Studies courses of Grade IV are open only by permission of the department. They are limited to Seniors who have had twelve semester hours above Grade I and are majoring in the department concerned.

(f) Grade V courses are open to Seniors only if they have a major or its equivalent in the department and if they have at least a B average in that major. Under these conditions they may be admitted by permission. They may not carry more than three hours of Grade V work a semester except in technical art and practical music unless they have special permission from the Administrative Board.

3. A student may not carry in any semester less than the required minimum of fifteen hours or more than two hours above the required minimum except with the permission of the Administrative Board.

Any shortage of hours permitted by the Administrative Board may be made up by a corresponding excess of hours distributed over succeeding semesters.

4. In each semester of the Freshman and Sophomore years the student must carry at least four three-hour courses.
5. Courses in which the examinations conflict (see schedule) may not be elected in the same semester.
6. No year course may be entered in the middle of the year except with the permission of the Administrative Board and the consent of the department concerned. When a year course is dropped, no credit for the first semester is allowed except with the recommendation of the instructor and the chairman of the department and the permission of the Administrative Board.
7. Changes in courses may be made without fee upon application to the Class Dean until September 15. Thereafter changes may be made through the first week of college only at a charge of five dollars, unless the change has been initiated by an instructor or is the result of curriculum changes beyond the student's control. Exception is made for Freshmen and advanced standing students who may change courses without fee through the first ten days of the first semester.
 - (a) Requests for these changes must be filed in the Office of the Class Deans on official blanks to be obtained in that office.
 - (b) If changes on the course cards are made necessary by reason of carelessness on the part of the student a fee of two dollars is charged.
 - (c) No petition to drop hours of work carried above the minimum will be granted after November 15 for the first semester and after April 3 for the second semester.

8. No student is allowed to attend a class either as an occasional or a regular auditor except with the permission of the instructor in charge of the course.

DEAN'S LIST

A Dean's List is made up of students who in the previous year have gained an average of B or better.

COURSES OF STUDY

An "a" after the number of a course indicates that it is given in the first semester; a "b" that it is given in the second semester.

Where no letter follows the number of the course, the course runs through the year.

The number of hours of credit for a course is indicated in italics.

The numerals after the letters indicating days of the week show the scheduled hours of classes.

[] Courses in brackets will be omitted for the year.

() Numerals in parentheses following the number of a course indicate the former number.

† Hours for courses so marked are arranged after elections are made.

§ Laboratory work in courses so marked is arranged privately.

() Divisions in parentheses will be withdrawn if not needed.

Dem. indicates demonstration; Lab., laboratory; Lec., lecture; Rec., recitation; Sect., section.

An "L" in parentheses at the close of the description of a course in the literature departments indicates that it may be taken to fulfill the foreign literature requirement.

Explanation of marks before instructors' names: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the Juniors in France; ‡ in Mexico; § in Geneva; | in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

INTERDEPARTMENTAL COURSES

These courses are open to a limited number of Freshmen and Sophomores. They may be taken to fulfill the distribution requirement in their respective Groups.

Social Science 192. The Integrated Study of American Society. An introductory analysis of central ideas, beliefs, and institutions in relation to physical and human resources. Some of the methods and materials of political science, economics, and sociology will be employed. *Three hours each semester.* Lec. T 11; Rec. M W 11, 12. Mr Page (*Director*), Mr Ross, Mr Peltason. (Group E)

Physical Science 193. Molecules and Atoms. A survey of the mechanical, chemical, and electrical experiments that disclose the nature of molecules and atoms. This branch of scientific activity is used to illustrate the methods of science, and the interplay between science and society. Three lectures and one discussion. Lec. Th F S 9; discussion W 10, 2. Mr Scott (*Director*), Miss Griswold. (Group F)

Physical Science 194. The Earth in Time and Space. The nature of the earth, its relation to the solar system and universe. The physical laws which govern the earth and its relations to the other astronomical bodies. Theories of the origin of the earth, solar system, and universe. Lecture, three hours; laboratory and demonstration, two hours. *Three hours each semester.* Lec. M T W 12; Lab. W 2-4, Th 9-11. Miss Olmsted (*Director*), Mr Durham, Miss Gill, Miss Bunce. (Group F)

Biological Science 195. The Living World. Life as exhibited in the form, function, inheritance, and evolution of living organisms, with special emphasis on the relationship of man to the balance of nature. This course is not open to students presenting a unit in biology for entrance. Lecture, two hours; discussion or demonstration, one hour; laboratory, two hours. *Three hours each semester.* Lec. Th F 9. Sect. A, M 9 T 9-11; Sect. B, M 3 T 2-4; Sect. C, Th 11 F 11-1; Sect. D, Th 2 F 2-4. Mr Driver and Miss Kemp (*Co-directors*), Miss Driscoll. (Group G)

General Literature 291. A study of selected literary masterpieces (in translation) from Homer to Tolstoy. *Three hours each semester.* Lec. W 2; section meetings, M T W 10, 12, W Th F 2, Th F S 10. Mr Arvin (*Director*), Mr Guilloton, Miss Muchnic, Mr Fisher. (Group A)

ART

PROFESSORS:	CLARENCE KENNEDY, PH.D. OLIVER WATERMAN LARKIN, A.M., <i>Chairman</i> EDGAR WIND, PH.D. HENRY-RUSSELL HITCHCOCK, A.M. (Acting Director of the Museum)
ASSOCIATE PROFESSORS:	KATE RIES KOCH, A.M., M.L.D. KARL SCOTT PUTNAM, B.S. IN ARCH. †PRISCILLA PAINE VAN DER POEL, A.M. MERVIN JULES PHYLLIS WILLIAMS LEHMANN, PH.D.
ASSISTANT PROFESSORS:	RANDOLPH WARDELL JOHNSTON H. GEORGE COHEN †ELEANOR DODGE BARTON, A.M. †HARRY BOBER, PH.D.
LECTURER:	RUTH WEDGWOOD KENNEDY, A.B.
INSTRUCTORS:	MARGERY ANN WILLIAMS, A.M. MARTHA LEEB, A.B. LOUIS MANZI, A.B.

The courses in art which may be taken to fulfill the distribution requirement in Group B are 11, 12, 31, 35, 325, 13.

Students planning to major or to do Honors work in art will find that courses in literature, philosophy, religion, and history taken in the first two years will prove valuable.

A. Historical Courses

Each of the historical courses may include one or more trips to Boston, New York, or the vicinity for the study of original works of art.

A reading knowledge of foreign languages, especially French, Italian, and German is urgently recommended.

11. An Historical Introduction to Art. *Three hours each semester.* W Th F 3; discussion meeting, choice of T 12, 2, W 11, Th, F 10, 11, S 9. Members of the Department. *Director*, Miss Williams assisted by Miss Leeb.

12. Art Appreciation. Nature of the work of art and of our response to its form and meaning. For Freshmen, Sophomores, and Junior transfer students. *Three hours each semester.* M T 9; discussion meeting, choice of T 10, 11, W 9. Mr Larkin assisted by Mr Jules, Mr Cohen, Mr Manzi.
- 31 (29). The Art of Greece and Rome from the prehistoric background to the late antecedents of Christian art; architecture, sculpture, painting, and the minor arts as conditioned by social, intellectual, and religious history. Open also to Sophomores. *Three hours each semester.* Th F S 9. Mrs Lehmann.
- 32a (31a). Greek Sculpture: its stylistic development in its religious and social setting. Open also to Sophomores. Recommended background, 11, History 12, or a course in the Classics. *Three hours.* Th F S 11. Mrs Lehmann.
- [32b (31b). Greek and Roman Painting: ancient painting from the pre-Hellenic background to the end of pagan antiquity. Open also to Sophomores. Recommended background, 11, History 12, or a course in the Classics. *Three hours.* Th F S 11. Mrs Lehmann.]
- 33a (311a). Medieval Art. The historical development of medieval art as aesthetic and cultural expression from early Christian and Byzantine to Romanesque and Gothic architecture, sculpture, illuminated manuscripts, and painting. Open also to Sophomores. Recommended background, 11 or History 11. *Three hours.* M T W 11. Mr Bober.
- 35 (23). The Art of the Italian Renaissance. Development of the arts in Italy from 1290 to 1594, with special emphasis on their interrelationships and on the emergence of a consistent theory of art. Lectures, problems, and field trips. Open also to Sophomores. Recommended background, 11 or History 11. *Three hours each semester.* M T W 10. Mr and Mrs Kennedy.
- 37a (317a). Titian and the Renaissance in Venice. *Three hours.* M 4 T 4-6. Mrs Kennedy.
- 37b (317b). The Medici as Patrons of Art: Donatello, Desiderio, Botticelli, Verrocchio, Leonardo da Vinci, and others. *Three hours.* M 4 T 4-6. Mr Kennedy.
- 39a (34a). Northern Art. The leading masters and schools of French, Flemish, and German painting and graphic arts of the fifteenth and sixteenth centuries, after an introductory survey of the fourteenth century background in illuminated manuscripts. Open also to Sophomores. Recommended background, 11. *Three hours.* M T W 9. Mr Bober.
- 311a (321a). The Art of the Seventeenth and Eighteenth Centuries: Rome as a cultural center. Thought and taste of the Baroque period as illustrated by the styles of the major artists in Italy and the North. Also open to Sophomores. Recommended background, 11, 12, or History 11. *Three hours.* Th F S 10. Miss Leeb.
- 311b (322a). The Art of the Seventeenth and Eighteenth Centuries: Paris as a cultural center. The thought and taste of France in the Baroque period and of Europe in the period of the Rococo as illustrated by the styles of the major artists. Open also to Sophomores. Recommended background, 11, 12, or History 11. *Three hours.* Th F S 10. Miss Leeb.

- [313a (325a). The Arts in America from the colonial settlements through the years of the expanding republic; painting, sculpture, architecture, graphic art, and the crafts as an expression of thought and taste. Recommended background, 11 or a course in American history. *Three hours.* M T W 12. Mr Larkin.]
- 313b (325b). The Arts in America from the Civil War to the present. Recommended background, 11 or a course in American history. *Three hours.* M T W 12. Mr Larkin.
- [315 (327). Modern Art. Contemporary art and its backgrounds. Recommended background, 11 or 12. *Three hours each semester.* Th F S 10. Mrs Van der Poel.]
- NOTE.—Seniors who have had no course in modern art are referred to 338b.
- [321 (39). Decorative Styles. European and American thought and taste as expressed in interior design, furniture, textiles, and costume from the medieval period to the present. Also open to Sophomores. *Three hours each semester.* Th F S 12. Mrs Van der Poel.]
- 322a (35a). History of Landscape Architecture. A survey of landscape design, with emphasis on the social and political conditions affecting the various periods. *Three hours.* Th F S 10. Miss Koch.
- 323b (36b). Civic Art. History of planning, including study of the development of cities from ancient to modern times and the physical development of communities. Principles of city and regional planning. *Three hours.* Th F S 10. Miss Koch.
- 325 (37). Principles of Architecture. Structure, plan, and design studied in specific medieval, Renaissance, and modern American situations. Also open to Sophomores. Recommended background, 11. *Three hours each semester.* Th 4-6 F 4. Mr Putnam (1st sem.), Mr Hitchcock (2d sem.).
- 327a (329a). Modern Architecture. Materials, functions, and methods of design, with reference to economic, social, and cultural conditions since the industrial revolution, mainly in America. †*Three hours.* Mr Hitchcock.
- [329b (310b). The Art of the Book. The study of examples of book design from the Renaissance to the present, selected from the collections in the Smith College libraries. *Three hours.* M T W 3. Mr Kennedy.]
- [40b. Integrating Paper. *Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours of art above Grade I. †*Two or three hours.*
- 42b. The Antique and the Italian Renaissance (seminar). The survival and rediscovery of ancient works of art and their influence on such Italian Renaissance artists as Alberti, Donatello, Mantegna, Raphael, Michelangelo, Palladio. *Three hours.* Th 3-5:30. Mrs Kennedy and Mrs Lehmann.
- 43a (42a). Seminar in the Iconography of the Renaissance and Reformation. For Seniors by permission of the instructor. *Three hours.* M 8-10. Mr Wind.
- 43b (42b). Seminar in English Art of the Eighteenth Century. For Seniors by permission of the instructor. *Three hours.* M 8-10. Mr Wind.

44a. Seminar in American Painting of the Nineteenth Century. For Seniors by permission of the instructor. †*Three hours*. Mr Larkin.

50, 50a, 50b. Research and Thesis. *Three or six hours*.

51, 51a, 51b. Advanced Studies. †*One hour or more*.

55. Art of the Italian Renaissance. †*Three hours each semester*. Mr and Mrs Kennedy.

57a, 57b. Modern Art. †*Three hours*.

For further information about graduate work in art, application should be made to the chairman of the Department. Adviser of graduate study: Mr Kennedy.

B. Technical Courses

A fee is charged for materials in 13, 212, 333, 335, 336, 337, 341, 342a and b.

13. Basic course in understanding the visual properties of color, light, form, space, line, texture, etc. through study of simple problems dealing with the nature of materials and their creative application. For Freshmen, Sophomores, and Junior transfer students. *Three hours each semester*. M T 9; seven studio hours of which four must be T W 2-4, Th F 10-12, 2-4. Mr Jules (*Director*), Mr Cohen, Mr Manzi, assisted by Mr Larkin.

210. Principles and Techniques of Expressive Pictorial Organization. Studio and outside projects in chalk, ink, water color, gouache, tempera, oil. Prerequisite, 13. Students should consult the instructor before enrolling. *Three hours each semester*. Nine studio hours of which six must be M T W 10-12. Mr Cohen.

212. Elementary Sculpture. Basic elements of sculptural design; modeling heads and figures from life, introduction to stone-carving and the modeling and firing of terra cottas. Prerequisite, 13. *Three hours each semester*. Nine studio hours of which six must be M T 2-5. Mr Johnston.

331. Advanced Drawing and Painting. Individual creative expression, with emphasis on the techniques of pictorial organization. Prerequisite, 210, 212, or 335. *Three hours each semester*. Nine studio hours of which six must be Th F 2-5. Mr Jules.

333. Advanced Sculpture. Figure composition; life and portrait modeling; bronze-casting; advanced work in stone and terra cotta. Prerequisite, 212. †*Three hours each semester*. Mr Johnston.

335 (335b). Principles of Design. A workshop course. Prerequisite, 13. Open also to Sophomores. *Three hours each semester*. Nine studio hours of which four must be Th F 10-12. Mr Manzi.

[336. Graphic Art. The making and printing of woodcuts and wood engravings. Prerequisite, 210, 212, or 335. To alternate with 337. *Three hours each semester*. Nine studio hours of which four must be M T 11-1. Mr Johnston.]

[337. Graphic Art. The making and printing of lithographs. Prerequisite, 210, 212, or 335. To alternate with 336. *Three hours each semester*. Nine studio hours of which four must be M T 11-1. Mr Johnston.]

- 338b. Understanding Modern Painting by Painting. A workshop course offered in 1949-50 for Seniors who have had no course in modern art. Two studio hours. *One hour.* W 7:30-9:30. Mr Jules.
339. Architectural Design. Studio practice in the solution of simple architectural problems. Studio periods; one trip, usually of two days, to New York or Boston. Prerequisite, 13 or 341. Open also to Sophomores. *Three hours each semester.* Th F S 9. Mr Putnam.
341. Landscape Architecture. Introduction to the principles of landscape design, with problems in organization of the landscape plan. Recommended background, 11, 12, 13, or Botany 27. Open also to Sophomores. *Three hours each semester.* M T W 9; drafting periods to be arranged. Miss Koch.
- 342a, 342b. Theory and Practice of the Photography of Works of Art. Given in co-operation with the Smith College Museum of Art. †*Three hours.* Mr Kennedy.
- [40b. Integrating Project. *Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in art. †*Two or three hours.*
- [43. Individual Expression in Drawing and Painting. Prerequisite, 331. *Three hours each semester.* Nine studio hours of which six must be W Th F 2-4. Mr Jules.]
510. Architecture. *Three hours each semester.* Th F S 10. Mr Putnam.
512. Landscape Architecture. †*Three hours each semester.* Miss Koch.
- 513a, 513b (513). Drawing, Painting, Sculpture, or Design. †*Three hours.* Members of the Department.

THE MAJOR

Advisers: Mr Jules, Mrs Lehmann, Mrs Kennedy, Miss Williams.

Based on 11 or 13. If the major is based on 13, 11 must also be taken.

Essential Courses: 40b and eighteen semester hours in art of which at least nine must be from Division A.

Optional Courses: other courses in art; Philosophy 33; closely related courses in other fields.

Students who are interested in specializing in architecture and landscape architecture are referred to the Interdepartmental Major in these subjects.

Honors

Director: Mrs Kennedy.

Prerequisites: 11 and 31 or 35.

Program: an arrangement, approved by the director, of courses and special studies in art and related fields in preparation for general examinations.

Examinations: three written examinations of which the first will test the student's scholarship in specific fields of art history, with emphasis on bibliography, museum sources, etc.; the second and third will comprise essays.

ASTRONOMY

ASSOCIATE PROFESSOR: MARJORIE WILLIAMS, PH.D., *Chairman*
(Director of the Observatory)

ASSISTANT PROFESSOR: JOCELYN RUTH GILL, S.M.

The courses in astronomy which may be taken to fulfill the distribution requirement in Group F are 11, Physical Science 194.

Students planning to major or to do Honors work in astronomy are expected to complete Mathematics 12 or 13 in Freshman or Sophomore year and are therefore strongly urged to offer three units of mathematics for entrance. They are advised to take Astronomy 11 and Mathematics 12 or 13 in Freshman year and Mathematics 21 or 22a, elementary physics or chemistry, and German before Junior year. See also the statement for Honors.

The prerequisite for 22a, 23b, and 34 is 11.

11. General Astronomy. Physical characteristics and motions of members of the solar system and the sidereal universe; observations of constellations, sun, moon, and planets. Recitation and discussion, two hours; daytime laboratory, one hour; evening laboratory and observing dependent on the skies, averaging three hours. *Three hours each semester.* Th F S 11. Miss Williams.

[22a. Observatory Practice. Training in the use of visual and photographic telescopes and other equipment. Observations of sunspots, lunar and planetary detail, occultations, variable stars, other telescopic objects. Collateral reading. Recitation and conference, three hours; observing and laboratory, four hours. *†Three hours.* Miss Williams.]

23b. Variable Stars: physical characteristics of the various types. Discussion of methods of observation and of obtaining periods and light curves. *†Three hours.* Miss Williams.

24b. Celestial Marine and Air Navigation. Theory and practice in the determination of position on the earth, primarily from observations of celestial bodies. Prerequisite, the first semester of Mathematics 12 or trigonometry presented for entrance. Recitation and discussion, two hours; observing and laboratory, three hours. *†Three hours.* Miss Gill.

26a. Descriptive Astronomy, designed to give a general knowledge of the field. Opportunity for learning the constellations and for using the telescopes. For students who have not taken 11 and have completed the requirement in Division III. *Three hours.* Th F S 9. Miss Gill.

26b. Repetition of 26a.

31a. Spherical and Practical Astronomy. Theory and use of transit instrument for determination of time, latitude, and instrumental corrections. Prerequisites, 11 and Mathematics 12 or 13. Recitation and conference, two hours; observing and laboratory, four hours. *†Three hours.* Miss Williams.

31b. Spherical and Practical Astronomy. Theory and use of the equatorial telescope. Determination of positions by means of photographic plates and the

filar micrometer. Least Squares. Prerequisite, 31a. Recitation and conference, two hours; observing and laboratory, two hours. †*Three hours*. Miss Williams.

34. Astrophysics. Special problems concerning the light of sun and stars, stellar motions, statistical methods of handling observational material. †*Three hours each semester*. Miss Gill.

[35. Determination of Orbits. Methods of computing orbits of comets and planets. Theory and practice. Prerequisites, 11 and Mathematics 21 or 22a. †*Three hours each semester*. Miss Williams.]

[40b. Synoptic Course, partly new work, partly review, designed to show the relationships among the various branches of astronomy. †*Three hours*.]

41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in astronomy. †*Two or three hours*.

50, 50a, 50b. Research and Thesis. *Three or six hours*.

51a, 51b. Special problems in astrophysics, practical astronomy, or celestial mechanics. †*Three hours or more*.

Adviser of graduate study: Miss Williams.

THE MAJOR

Adviser: Miss Williams.

Based on 11.

Essential Courses: 31a, 31b, 34, 40b; Mathematics 21 or 22a.

Optional Courses: other courses in astronomy except 22a and 24b; other courses in mathematics above Grade I; Economics 38; courses in physics, chemistry, or geology.

Honors

Director: Miss Williams.

Prerequisites: 11; Physics 11 or its equivalent.

Program:

Essential Courses: 31a, 31b, 34; Mathematics 21 or 22a.

Optional: courses or units in astronomy, mathematics, or physics; in chemistry with the approval of the director.

Half of the work of first semester of Senior year will be spent on a paper in the field of astrophysics, or on a problem in the field of practical astronomy or celestial mechanics; one-fourth of the second semester will be spent in review for the examinations.

Examinations: two general examinations covering the fields of general astronomy, astrophysics, practical astronomy, physics, mathematics; one in the field of concentration, which may be a partly practical examination involving techniques and manipulation of instruments.

BOTANY

ASSOCIATE PROFESSORS:	SARA BACHE-WIIG, PH.D.
	MARGARET KEMP, PH.D., <i>Chairman</i>
	KENNETH E. WRIGHT, PH.D.
HORTICULTURIST:	WILLIAM I. P. CAMPBELL

SMITH COLLEGE GENETICS EXPERIMENT STATION

VISITING PROFESSOR:	ALBERT FRANCIS BLAKESLEE, PH.D., SC.D., LL.D.
VISITING ASSOCIATE PROFESSOR:	SOPHIE SATIN, SC.D.
RESEARCH ASSOCIATE:	AMOS GEER AVERY, M.S.

The courses in botany which may be taken to fulfill the distribution requirement in Group G are 11, Biological Science 195.

Students planning to major in botany are advised to have a knowledge of general zoology or chemistry and a reading knowledge of German or French. See the Honors program for additional preparation required.

Unless otherwise stated the prerequisite for all courses below Grade IV is 11, Biological Science 195, or permission of the instructor.

A. Science of Botany

11. General Botany. A study of the life processes and structure of seed plants with emphasis upon their relationship to the needs of man. A survey of representative types of other green and nongreen plants; reproduction, heredity, evolution. Two lectures and two two-hour laboratory periods. *Three hours each semester.* Lec. Th F 12. Lab. A, M T 9; Lab. B, M T 2; Lab. C, Th F 9; Lab. D, Th F 2. Miss Bache-Wiig, Mr Wright (*Director*).

22b. Field and Forest Botany. A study of ferns and flowering plants of the Northampton region. Principles of classification. Field trips in the spring. One lecture and five hours of laboratory or field work. *Three hours.* Th F 2-5. Miss Bache-Wiig.

[23b. Plant Breeding. *Three hours.* Miss Kemp.]

31a. Comparative Morphology of Lower Vascular Plants. The vegetative and reproductive structures and evolutionary development of living and extinct ferns and fern allies, preceded by a brief study of liverworts and mosses. One lecture and five hours of laboratory. *Three hours.* M T W 10-12. Miss Kemp.

31b. Comparative Morphology of Higher Vascular Plants. The vegetative and reproductive structures and evolutionary development of the Gymnosperms and Angiosperms. One lecture and five hours of laboratory. *Three hours.* M T W 10-12. Miss Kemp.

32a. Microtechnique. Methods used in the preparation of various plant materials for microscopic study. Six hours of laboratory. *Three hours.* M T 2-5. Miss Bache-Wiig.

- [33b. Plant Geography. Climate and climatic plant formations of the world. Problems of distribution in relation to migration and barriers. Two lectures and one recitation. *Three hours*. M T W 12. Miss Bache-Wiig.]
- [34a. Mycology. The structure, life history, and habitat of representative species of the fungi, with emphasis on theories of origin and relationship. Prerequisite, 11 or Bacteriology 22. This course and Bacteriology 22 may serve as prerequisites for Bacteriology 42b. One lecture and five hours of laboratory. *Three hours*. M T W 9-11. Miss Bache-Wiig.]
- [35. Plant Physiology. A study of plant processes and functions. Two lectures and two two-hour laboratory periods. *Three hours each semester*. M T W 11-1. Mr Wright.]

Zoology 36. Genetics and Eugenics.

B. Horticulture and Planting Design

27. Horticulture. Theory and practice of plant cultivation and improvement, with a study of the species commonly cultivated and the preparation of gardens. Two lectures and two two-hour laboratory periods. *Three hours each semester*. Lec. Th F 10; Lab. Th F 11. Members of the Department (Miss Bache-Wiig, *Director*) assisted by Mr Campbell.
- 38a. Plant Materials. Study of trees, shrubs, and herbaceous plants, with emphasis on the identification of woody ornamental plants. Lectures, laboratory and field work. For students who have passed or are taking Art 341 or have passed a course in botany. *Three hours*. M T 2-5. Miss Koch.
- 38b. Planting Design. Study of trees, shrubs, and herbaceous plants in relation to their use in landscape art, and the design of simple planting compositions. Lectures, problems, trips. For students who have passed 38a or have passed or are taking Art 341. *Three hours*. M T 2-5. Miss Koch.

Art 341. Landscape Architecture.

[40b. Directed Reading and Review. *Three hours*. Members of the Department.]

41, 41a, 41b. Special studies: work in morphology, anatomy, physiology, ecology, mycology, pathology. By permission of the Department for Senior majors who have had twelve semester hours in botany above Grade I. †*Two or three hours*.

50, 50a, 50b. Research and Thesis. *Three or six hours*.

51, 51a, 51b. Advanced studies in the fields of morphology, anatomy, physiology, mycology, arranged in consultation with the adviser of graduate work. †*One hour or more*. Miss Bache-Wiig, Miss Kemp, Mr Wright.

52a, 52b. Selected problems in a specific field of botany assigned for investigation, experimental work, and discussion. †*One hour or more*.

553. Apprenticeship Summer Course in Plant Genetics. Students are offered the opportunity of learning research methods, techniques, and aims through assisting in the current research of the Genetics Experiment Station. For graduate students it is recommended that this course be elected in the summer preceding the first academic year of a program in this field. †*Three hours*. Mr Blakeslee, Miss Satin, Mr Avery.

54a, 54b. Seminar on problems and methods in modern plant genetics. †*One hour*. Mr Blakeslee, Miss Satin, Mr Avery.

55, 55a, 55b. Laboratory Practice in Cytogenetics. Preferably taken with 54a or b. †*Two hours*. Mr Blakeslee, Miss Satin.

NOTE.—A laboratory course in genetics at Amherst College under the direction of Mr Plough may be substituted for all or part of 55.

56a, 56b. Seminar on recent advances and current problems in botany. Selected topics for reading and individual reports. †*One hour*. Members of the Department.

Adviser of graduate study: Mr Wright.

THE MAJOR

Adviser: Miss Bache-Wiig.

Based on 11 or Biological Science 195.

Essential Courses: 40b and eighteen semester hours in botany of which at least twelve must be above Grade II.

Students may count within the eighteen hours of Grade III courses six hours in Art 341, Zoology 36 or 38b.

Optional Courses: other courses in botany above Grade I; courses in bacteriology, chemistry, geology, physics, and zoology.

Honors

Director: Miss Bache-Wiig.

Prerequisites: 11; chemistry (one year in preparatory school or college).

Program:

Requirements: 22b (taken before Junior year if possible); 31a, 31b, 35; six hours of Grade IV or V in botany, involving a problem and a paper; three hours of directed reading and review.

Optional: courses approved by the director.

Examinations: a general examination covering major fields of botany; one in identification and interpretation of materials and in application of techniques; one in the special field of the candidate.

CHEMISTRY

PROFESSORS:	JESSIE YEREANCE CANN, PH.D., <i>Chairman</i> *C. PAULINE BURT, PH.D., SC.D.
ASSOCIATE PROFESSOR:	†KENNETH WAYNE SHERK, PH.D.
ASSISTANT PROFESSORS:	MILTON DAVID SOFFER, PH.D. GEORGE STONE DURHAM, PH.D.
INSTRUCTORS:	PATRICIA LYNN BROWN, M.A. PATRICIA ANNE GRISWOLD, A.B.
TEACHING FELLOWS:	SONYA ALICE JOHNSON, A.B. DOROTHY WOOD LOOMIS, B.A. JEAN ELLEN CARR, B.S. JOANNA FRAWLEY, B.S. L. MARILYN ROTH, B.S.
RESEARCH ASSOCIATE:	HILDA ERDINE GELLERSON, A.M.
RESEARCH FELLOW:	JANET ADALINE HAWKINS, B.A.

The courses in chemistry which may be taken to fulfill the distribution requirement in Group F are 11, 12, 21a and b, Physical Science 193, 194.

Students who are planning to major in chemistry should elect 11 or 12 in Freshman year. They are expected to complete Mathematics 12 or 13 the first year and are therefore strongly advised to offer three units of mathematics for entrance. For additional preparation for Honors work see that program.

11. General Chemistry. Two lectures, one recitation, and one three-hour laboratory period. *Three hours each semester.* Lec. Th F 11; Rec. S 10, 11; Lab. T, F 2. Mr Durham, Miss Brown, Miss Loomis.
12. General Chemistry and Elementary Qualitative Analysis. Prerequisite, a preparatory course in chemistry. Not open to students who have taken 11. Two lectures, one recitation, and one three-hour laboratory period. *Three hours each semester.* Lec. M T 9; Rec. W 9, 11, (2); Lab. T, Th 2. Miss Griswold, Miss Johnson.
- 21a. Qualitative Analysis. Cation and anion analysis using semimicrotechnique. Prerequisite, 11. One lecture, one recitation, and two two-hour laboratory periods. *Three hours.* Lec. and rec. T W 9; Lab. M W 2. Miss Brown, Miss Roth.
- 21b. Quantitative Analysis. Prerequisite, 21a. One lecture, one recitation, and two two-hour laboratory periods. *Three hours.* Hours and instructors as in 21a.
23. Elementary Physical Chemistry and Quantitative Analysis. Prerequisite, 12 or, by permission of the Department, 11. One lecture, one recitation, and four hours of laboratory. *Three hours each semester.* Lec. and rec. Th F 12; Lab. Th F 2-4. Mr Durham, Miss Carr.
31. Organic Chemistry. Prerequisite, 11 or 12; open to Sophomores by permission of the instructor. Two lectures, one recitation, and one three-hour laboratory period. *Three hours each semester.* Lec. and rec. M T W 12; Lab. M, T 2. Mr Soffer (1st sem.), Miss Burt (2d sem.), Miss Frawley.
- [34a, 34b. Advanced Inorganic Chemistry. Prerequisite, 23 or 21b. Two lectures and one three-hour laboratory period. *Three hours.* Lec. Th F 11; Lab. M 2. Mr Sherk.]

- [38a. Advanced Quantitative Analysis. Prerequisite, 21b or 23. One lecture and six hours of laboratory. †*Three hours.* Mr Durham.]
- 38b. Advanced Quantitative Analysis. Instrumental and other special methods of analysis. Prerequisite, 21b or 23. One lecture and six hours of laboratory. †*Three hours.* Mr Durham.
- [40. Physical Chemistry. †*Three hours each semester.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in chemistry. †*Two or three hours.*
- [42a. Biochemistry. Prerequisite, 31. Two lectures and one three-hour laboratory period. *Three hours.* Lec. M T 11; Lab. F 2. Miss Burt, Mr Soffer.]
- 42b. Medicinal Chemistry. Chemistry of modern synthetic drugs and extractivities. Prerequisite, 31. Two lectures and one three-hour laboratory period. *Three hours.* Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.
43. Physical Chemistry. For Seniors who have passed 21b or 23, *and* have passed or are taking 31, Physics 11, and Mathematics 12. Lecture, discussion, and one three-hour laboratory period. *Three hours each semester.* Lec. and discussion M T 9; Lab. W 9. Miss Cann.
- NOTE.—A year of differential and integral calculus is required for eligibility for professional standing as stipulated by the American Chemical Society.
- 45a. Organic Qualitative Analysis. Prerequisite, 31. One lecture and two three-hour laboratory periods. *Three hours.* Lec. Th 2; Lab. Th 3 F 2. Mr Soffer, Miss Roth.

Graduate Courses

These courses are designed mainly for graduate students, but, with the proper prerequisites, are open to Seniors by permission. It is suggested that a student majoring in chemistry take at least one of these courses.

- 50, 50a, 50b. Research and Thesis. *Three or six hours.*
- 51a, 51b. Special Studies. (1) Advanced Organic Preparations; (2) Chemical Spectroscopy; (3) Contemporary Literature; (4) Heterocyclic Natural Products; (5) Theory of Solutions. †*One hour or more.*
- [53b. Modern Structural Theories. Study of modern theories of atomic and molecular structure and their relation to physical and chemical properties. †*Three hours.* Mr Sherk.]
- 54a or b. Electrochemistry. Lecture, discussion, and one three-hour laboratory period. *Three hours.* Lec. and discussion Th F 11; Lab. F 2. Miss Cann.
- 55a, 55b. Advanced Physical Chemistry: thermodynamics, kinetics. Prerequisites, 31 and 43 or their equivalents. *Three hours.* Lec. and discussion W 3 and Th F 10. Miss Cann.
- 56a or b. Instrumental Methods. A theoretical and practical study of the application of various optical and electrical instruments to the detection and estimation of substances and to the determination of their properties and structure. Lecture and laboratory. †*Three hours.* Mr Durham.

57b. Phase Rule. Prerequisites, 31 and 43 or their equivalents. †*Three hours*. Miss Cann.

58a. Advanced Organic Chemistry. A systematic study of reactions. †*Three hours*. Miss Burt.

59b. Carbocyclic Natural Products. The chemistry of terpenic and steroid substances, with particular emphasis upon methods of structural investigation and synthesis. Lectures and discussion. †*Three hours*. Mr Soffer.

Adviser of graduate study: Miss Cann.

THE MAJOR

Adviser: Miss Cann.

Based on 21a and b or 23.

Essential Courses: 31, 34a, 40. Of the twelve to eighteen semester hours required in the major Senior year, at least twelve must be taken in the Department. Six hours in physics.

Optional Courses: other courses in chemistry above Grade I; Geology 24a; Bacteriology 22, 34; courses in mathematics and physics.

Honors

Director: Miss Cann.

Prerequisites: 21a and b or 23, Mathematics 12 or 13, six hours in physics above Grade I.

Program:

Essential Courses: 31, 34a and b, 43, and six hours chosen from 38a, 38b, 42a, 42b, 45a. Distribution recommended for Junior year: 31, 34a and b, and two additional courses; for Senior year: the other essential courses and additional work approved by the director.

Examinations: one in inorganic chemistry; one in organic chemistry and related subjects; one in analytical and physical chemistry.

CLASSICAL LANGUAGES AND LITERATURES

PROFESSORS:	F. WARREN WRIGHT, PH.D., <i>Chairman</i> AGNES CARR VAUGHAN, PH.D.
ASSISTANT PROFESSOR:	ALICE SPERDUTI, PH.D.
INSTRUCTOR:	BAYLY TURLINGTON, PH.D.

The courses in the Department which may be taken to fulfill the distribution requirement in Group A are Greek 11b, 12a and b, 18a, 22a and b, Latin 14a and b, 18b, 28, Classics 29b. However, if a student is considering a major in the Department 18a and b, 28, and 29b are not advised.

Students planning to major in classics who have not offered ancient history for entrance are advised to take History 12.

GREEK

The prerequisite for courses of Grade III is 22b or permission of the instructor.

11. Elementary Course. Introduction to the language; reading from Greek prose and poetry. *Three hours each semester*. M T W 9. Miss Spurduti.

- 11b. Elementary Course, covering the work of two years. Reading from Xenophon, Homer, Euripedes, Plato. †*Six hours each semester.* Miss Vaughan. (L)
- 12a. Plato: *Apology* and *Crito*. Prerequisite, two units in Greek or 11. *Three hours.* M T W 9. Mr Turlington. (L)
- 12b. Homer: selections from *Iliad* and *Odyssey*. Prerequisite, 12a. *Three hours.* M T W 9. Miss Vaughan. (L)
16. Elementary Prose Composition. Prerequisite, two units in Greek, 11, or 11b. †*One hour each semester.* Miss Sperduti.
- 18a. Masterpieces of Greek Literature in Translation. *Three hours.* M T W 11. Miss Vaughan.
- 22a. Introduction to the Drama. Euripides: *Medea*; Sophocles: *Ajax*. Prerequisite, 11b, 12b, or three units in Greek. *Three hours.* M T W 12. Mr Turlington. (L)
- 22b. Continuation of 22a. Aeschylus: *Prometheus Bound*; Sophocles: *Antigone*. Prerequisite, 22a or its equivalent. †*Three hours.* Mr Turlington. (L)
- [31a. Greek Historians. †*Three hours.* Miss Sperduti.]
- 32b. Aristophanes: *Frogs*; Aeschylus: *Agamemnon*. †*Three hours.* Mr Turlington.
- 33a. Plato: *Republic*. †*Three hours.* Miss Sperduti.
- [34b. Selections from Lyric and Pastoral Poets. †*Three hours.* Miss Vaughan.]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in the Department. †*Two or three hours.*

Religion 25a. Greek New Testament.

50, 50a, 50b. Research and Thesis. *Three or six hours.*

51a, 51b. Advanced studies in Greek literature and archaeology, arranged on consultation. †*One hour or more.*

Adviser of graduate study: Mr Wright.

LATIN

The prerequisite for courses of Grade III is 14b.

- [11b. Elementary Course, covering the work of two years. Readings from Latin prose and poetry. †*Six hours each semester.*]
- 12a. Vergil: selections from *Aeneid* I-VI. Prerequisite, two units in Latin or three units including Cicero. *Three hours.* M T W 11. Mr Turlington. (L)
- 12b. Ovid: *Metamorphoses*. Prerequisite, 12a or by permission of the Department. *Three hours.* M T W 11. Mr Turlington. (L)
- 14a. Selections from Republican Prose and Poetry. Prerequisite, four units in Latin or three units including Vergil. *Three hours.* Th F S 9. Miss Sperduti. (L)

- 14b. Selections from Latin Poetry. Catullus; Vergil: *Eclogues*; Horace: *Odes* and *Epodes*. Prerequisite, four units in Latin or three units including Vergil or, by permission of the instructor, 12a. *Three hours*. Th F S 9. Mr Wright. (L)
16. Elementary Prose Composition. Prerequisite, four units in Latin or by permission of the instructor. †*One hour each semester*. Mr Turlington.
- 18b. Masterpieces of Latin Literature in Translation. *Three hours*. M T W 11. Mr Wright.
- [26a, 26b. Intermediate Prose Composition. Prerequisite for 26a, 16; for 26b, 26a. †*One hour*.]
27. Classical Latin Literature. Readings in the original from representative authors. Prerequisite, 14b. †*Three hours*. Mr Wright.
- [28. Latin Background of English Literature. Not open to students who have taken 18b. *Three hours each semester*. M T W 9.]
- [31a. Roman Satire: Horace, Juvenal, Persius. To alternate with 33a. †*Three hours*. Miss Sperduti.]
- [32b. Latin Historians. To alternate with 34b. †*Three hours*. Mr Wright.]
- 33a (42a). Lucretius: *De Rerum Natura*. To alternate with 31a. †*Three hours*. Mr Wright.
- 34b (23a). Medieval Latin Literature. To alternate with 32b. †*Three hours*. Miss Sperduti.
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in the Department. †*Two or three hours*.
- 50, 50a, 50b. Research and Thesis. *Three or six hours*.
- 51a, 51b. Advanced studies in Latin literature and archaeology arranged on consultation. †*One hour or more*.
- Adviser of graduate study: Mr Wright.

CLASSICS

- 29b. Greek and Roman Drama in Translation. Emphasis on the plays as a vehicle for philosophic and political thought and social change; ancient aesthetic theory. *Three hours*. M T W 10. Miss Sperduti.
- [40b. Review Unit. Required of all majors in the Department. †*Three hours*.]

THE MAJOR IN CLASSICS

Advisers: Mr Wright, Miss Vaughan.

Based on Greek 11 and Latin 14a and b (or, by permission of the adviser, Latin 12b). Essential Courses: Greek 16, Latin 16, Classics 40b, eighteen semester hours chosen from Greek 22a and b, 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b.

Optional Courses: other courses in Greek except 18a; courses in Latin above Grade I except 28; allied courses in other departments.

A major in Greek or in Latin may be arranged on consultation with the chairman.

Honors

Director: Mr Wright.

Prerequisites: Greek 11; Latin 14a and b (or, by permission of the director, Latin 12b).

Program: four hours chosen from Greek 16, Latin 16 (or 26a and b); six hours for the preparation of a long paper; the subject matter of Greek 22a and b and four of the following courses (of which at least two must be Latin)—Greek 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b. The program must include at least three units.

Examinations: one will test the candidate's ability to read Greek and Latin; one her general knowledge of Greek and Latin literature with the historical and archaeological background; and one her mastery of a field of concentration.

Units

The Department will offer units in the fields of classical literature, art, and antiquities for Honors students in classics or in other departments.

ECONOMICS

PROFESSORS:

ESTHER LOWENTHAL, PH.D.

WILLIAM AYLOTT ORTON, M.A., D.SC. (ECON.), LL.D.,

Chairman

DOROTHY CAROLIN BACON, PH.D.

*DOROTHY WOLFF DOUGLAS, PH.D.

VISITING PROFESSOR:

¹COLSTON ESTEY WARNE, PH.D.

ASSOCIATE PROFESSORS:

STANLEY CURTIS ROSS, A.B., LL.D.

EDWARD F. WILLETT, PH.D.

INSTRUCTORS:

*EDGAR FRANCIS TABER, JR., A.M.

MARTHA VAN HOESEN TABER, A.M.

The courses in economics which may be taken to fulfill the distribution requirement in Group E are 21, 32, 319, Social Science 192.

21 or 22a is the prerequisite for 31b, 33, 35, 312a, 313a, 315, 317b.

21. Outlines of Economics. Survey of economic principles and techniques as applied in modern industry, agriculture, transportation, trade, and finance. Open to Freshmen by permission. *Three hours each semester.* Lec. M T 9; Rec. T 2, W 9, 3. Lec. Th F S 10. Miss Lowenthal, Mr Orton, Mr Ross, Mr and Mrs Taber.

[22a. Introduction to Economic Analysis. Demand and supply, price determination and distribution theory. Open only to students who have passed Social Science 192. *Three hours.* Th F S 11. Mr Ross.]

23b. Accounting. The theory of debits and credits. The organization and use of accounting records, the construction and interpretation of balance sheets and of statements of revenue and expense, and selected special topics. Two lectures and one two-hour laboratory period. *Three hours.* M T 9 M 3-5. Mr Willett.

- 31b. Public Finance. Taxation, government spending and borrowing; economic effects and current controversies. *Three hours.* M T W 10. Mr Taber.
32. Labor Problems and the Labor Movement. Labor history, trade-unionism, women and child workers, personnel management, labor legislation. Also for Sophomores who have passed 21. *Three hours each semester.* M T W 12. Mrs Taber (1st sem.), Mrs Douglas (2d sem.).
- 33 (33a, 33b). History of Economic Theory. First semester, survey of classical economics; second semester devoted to recent economic thought. *Three hours each semester.* M T W 10. Miss Lowenthal.
35. Money and Banking. Monetary theory, American and foreign banking, foreign exchange, problems of prosperity and depression. *Three hours each semester.* Th F S 9. Miss Bacon.
38. Statistical Methods. Tabulation, graphic representation, averages, measures of dispersion, correlation, index numbers, and the treatment of time series. This course should normally be elected Senior year. *Three hours each semester.* Lec. Th F 2; four laboratory hours chosen from T 2-6, Th, F 3-6. Miss Bacon, Mr Taber.
- NOTE.—Credit will be given for the first semester if it is followed in the same year by Sociology 43b.
- 311b. Government and Business. The development of public control of business in the United States; problems of present-day regulation. Prerequisite, 21, 22a, or by permission of the instructor. *Three hours.* M T W 11. Mr Willett.
- 312a. Corporations: their organization, accounting, financial policies, and public control. *Three hours.* M T W 9. Mr Willett.
- 313a. International Trade and Finance. *Three hours.* M T W 11. Mr Willett.
- 314a. Personal Finance. Topics studied include inflation, tax forms, insurance, annuities, installment buying, home ownership, and investment. *Three hours.* Lec. M T 2; Rec. W 10, 12, 2, 3. Mr Willett.
- 315 (315b). International Economics since 1918, with special reference to the effects of the postwar settlements and the economic factors of the war of 1939. *Three hours each semester.* Th F S 12. Mr Orton.
- 317b. Economics of Agriculture. Theory of land values, American agricultural development, agricultural-industrial relationships, government and the farmer. *Three hours.* Th F S 11. Mr Ross.
- 319b (319). Theories and Movements for Social Reorganization. Comparative economic systems. Also for Sophomores who have passed 21. *Three hours.* M T W 11. Mrs Douglas.

[40b. Synoptic Unit required of all Senior majors. †*Three hours.*]

41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in economics above Grade I. †*Two or three hours.*

[42a. Seminar in Theories of Wages. Relation of contemporary wage theory to recent governmental labor policies and employer and labor organization. By

permission of the instructor. To alternate with 44a. †*Three hours*. Mrs Douglas.]

43b. Seminar in Investment Policies. By permission of the instructor for students who have passed 35 or 312a or are taking 35. †*Three hours*. Mr Willett.

44a. Seminar in Organized Labor and the Law. Legal status of labor in the United States and foreign countries. By permission of the instructor. To alternate with 42a. †*Three hours*. Mr Warne.

[45b. Seminar on the Soviet Union. Ideology, internal economic developments, relation to other economies. By permission of the instructor. To alternate with 46b. †*Three hours*. Mrs Douglas.]

46b. Seminar on Types of Economic Planning under capitalism and in mixed economies. Recent developments in Poland, Czechoslovakia, and Great Britain. By permission of the instructor. To alternate with 45b. †*Three hours*. Mrs Douglas.

50, 50a, 50b. Research and Thesis. *Three or six hours*.

51, 51a, 51b. Advanced studies in such subjects as classical economic theory and its modern transformation; international economic organization; corporations: organization and finance; social security and protective legislation. †*Two hours or more*.

Adviser of graduate study: Mrs Douglas.

THE MAJOR

Advisers: members of the Department.

Based on 21 or 22a.

Essential Courses: 40b and eighteen semester hours in economics above Grade II except 314a.

Optional Courses: to be arranged.

Majors may spend the Junior year abroad if they meet the college requirements as stated under the description of the Junior Years Abroad.

Honors

Director: Miss Bacon.

Prerequisite: a grade of B in Economics 21.

Program: two students must take 33 or the equivalent unit.

In Senior year one-fourth or one-half of the work of first semester must be spent on the preparation of a paper on an approved topic, involving independent work; in second semester one-fourth of the work will be spent on review.

Examinations: general theory and its applications; questions on individual fields in economics; questions coordinating the field of the major.

Units

(*Six hours each*)

Economic Theory. *First semester*, Miss Lowenthal.

Studies in International Economic Organization. *Second semester*, Mr Orton.

Topics in Money and Banking. *First semester*, Miss Bacon.

Statistical Methods. *Second semester*, Miss Bacon.

Corporation Finance and Investments. *Second semester* (alternate years), Mr Willett.

EDUCATION AND CHILD STUDY

PROFESSOR:	SETH WAKEMAN, PH.D.
ASSOCIATE PROFESSORS:	MARY A. WAGNER, M.A., Director of the Elisabeth Morrow Morgan Nursery School
	†ANNELES ARGELANDER ROSE, PH.D.
	CLIFFORD RICHARDSON BRAGDON, A.M., ED.M., <i>Chairman</i>
	HELEN EVANGELINE REES, ED.D., Director of the Smith College Day School
	HERBERT ARNOLD CLARK, ED.M.
ASSISTANT PROFESSOR:	LORRAINE WINEOW BENNER, A.M.
LECTURERS:	RONALD JEREMIAH DARBY, ED.M.
	MINNIE MARION STINSON, B.S. IN ED.
	FRANK HORACE REITER, PH.D.
VISITING DIRECTOR OF EDUCATIONAL CLINIC:	MARY CHENEY STEPHENSON, ED.M.
INSTRUCTOR:	LOIS JEAN CARL, PH.D.
ASSISTANT:	BETTIE LEW ROOT, ED.M.

The following courses are recommended to students planning to major in education and child study: Biological Science 195, Psychology 11 or 12, Social Science 192, Sociology 26, Zoology 12.

An opportunity for educational guidance including improvement in reading and study skills is offered to Freshmen and a limited number of other students. One period each week, hours to be arranged. No credit.

Students who desire to comply with the varying requirements of different states for certificates to teach in elementary and secondary schools are urged to consult Mr Bragdon as early as possible during their college course. A five-year program leading to the degree of Master of Education fulfills the requirements now set by certain states.

- 21a. Introduction to Education. Historical and philosophical background of modern educational problems. *Three hours.* M T W 2. Mr Bragdon.
- 22a. Educational Psychology. A study of biological, psychological, and social factors in mental development, with special reference to problems in learning. *Three hours.* M T W 12. Mr Wakeman.
- 22b. A repetition of 22a. M T W 2.
- 24a. Child Psychology. Mental development of the child from birth to puberty. Prerequisite, Psychology 11 or 12. *Three hours.* Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 24b. Psychology of Adolescence. Mental development of the adolescent from puberty to maturity. Prerequisite, Psychology 11 or 12, Education 22a or b, or by permission of the instructor. *Three hours.* Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 26b. Foundations of Secondary Education. Characteristics of the secondary school pupil; present status, purpose, and organization of secondary schools; curriculum. Recommended background, 21a and 24b. *Three hours.* M T W 2. Mr Clark.

- 31a. The Child in Modern Society. Place of the young child in society; social and educational agencies concerned with child welfare; mental hygiene of early childhood. Directed observations. *Three hours.* Th F 3 and one observation period. Miss Benner.
- 34b. Child Study. Growth, development, and guidance of the young child. Systematic observation and study of preschool children. Recommended background, 24a or 22a or b. *Three hours.* Th F 3 with arranged observation period. Miss Benner.
- 35a. Elementary School Child. Growth and development of the child in the elementary school; study of curriculum and modern practices. Recommended background, 21a and 22a or b or 24a. Two class hours and observation. *Three hours.* M T W 9. Miss Rees.
- 36b. American Education. Evolution of American educational thought and institutions; development of American education related to the growth of the nation. Also for Sophomores who have passed 21a. *Three hours.* M T W 9. Mr Clark.
- 37a. Comparative Education. Influence of national attitudes in education. The educational situation in France, Germany, Italy, Soviet Russia, and the Orient, with special attention to the problems of reconstruction. *Three hours.* M T W 3. Mr Wakeman.
- 38b. Youth and Social Change. Socio-economic changes affecting modern youth; education in a changing society. *Three hours.* M T W 3. Mr Bragdon.
- 39a. Educational Measurements. Study of measures designed to improve instruction and assist pupil adjustment in school. Practice in construction, administration, and interpretation of tests. *Three hours.* Th F 2 and a laboratory period. Mr Clark.
- 310a. Music Education. Methods and materials of music education in the pre-school and primary grades. For majors or by permission of the instructor. *Three hours.* M T 2 and one hour to be arranged. Mrs Scatchard.
- [311b (311). Art Education: theory and practice in the elementary school. Prerequisite, Art 13 or by permission. †*Three hours.*]
- [40b. Senior Essay, designed to correlate and unify the student's work in her major field. *Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in education above Grade I. †*Two or three hours.*
- 42b. Advanced Educational Psychology. Selected problems, reports, and discussion. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. †*Three hours.* Mr Wakeman.
43. Preschool Education. Theory and practice in the modern nursery school and kindergarten. Two class hours and two periods of participation. Required trip. Prerequisites, 34b and permission of the instructor. *Three hours each semester.* Th 4. Miss Wagner.

- 44b. Seminar in Child Psychology. Selected problems, reports, and discussion. Prerequisites, 24a and permission of the instructor. †*Three hours*. Miss Carl.
45. Elementary Education. Theory and practice in the elementary school. Two class hours and two periods of participation in elementary schools. Prerequisites, 35a and permission of the instructor. *Three hours each semester*. Th 4. Miss Rees, Miss Stinson.
46. Secondary Education. Methods and practices in secondary schools; an intensive study of the teaching of one of the subjects in the curriculum. Observation and directed practice. Required trip. Prerequisites, 26b and permission of the instructor. *Three hours each semester*. Th 3-5 and one period of observation and practice. Mr Clark, Mr Darby.
- 410b. Experimental Educational Psychology. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. One period for discussion and reports, two laboratory periods. †*Three hours*. Mr Wakeman.
- French 37a. Teachers' Course.
- Music 320. Elementary School Music.
- Music 46. Advanced School Music.
- Spanish 32a. Teachers' Course.
- Speech 48a, 48b. Teachers' Course.

Graduate Courses

- 50, 50a, 50b. Research and Thesis. *Three or six hours*.
- 51, 51a, 51b. Advanced Studies: special problems in education. †*Two hours or more*.
- 52, 52a, 52b. Problems of American Education. Required of all candidates for the Master's degree in education. *Three hours*. T 4. Mr Wakeman and members of the Department.
- 53b. Preschool and Parent Education. †*Three hours*. Miss Wagner.
- 54b. Elementary Education. †*Three hours*. Miss Rees.
- 55a. Problems in Secondary Education. †*Three hours*. Mr Clark.
- 56b. Higher Education: history and present status in the United States. †*Three hours*. Mr Wakeman.
57. Problems in the Education of the Deaf. Historical development of education of the deaf, the physiological and psychological problems of deaf children, and problems of curriculum, with emphasis on language. By permission of the instructor. †*Three hours each semester*. Mr Reiter.
- 59, 59a, 59b. Practice Teaching under the supervision of members of the Department. For qualified graduate students by permission of the Department. †*One hour or more*.
- 510a. Child Development. *Three hours*. M 7:30. Miss Wagner and Miss Rees. Adviser of graduate study: Mr Wakeman.

THE MAJOR

Students majoring in the Department may concentrate (1) in child development as preparation for teaching in nursery and elementary schools, (2) in the history, philosophy, or psychology of education, or (3) may prepare for graduate work leading to a professional degree.

Advisers: members of the Department.

Based on 21a or 22a or b and one course in education and child study, psychology, sociology, or Social Science 192.

Essential Courses: 40b and eighteen semester hours in education.

Optional Courses: other courses appropriately related.

Honors

Director: Mr Bragdon.

Prerequisites: courses listed as bases for the majors.

Program and Examinations: detailed plans of study may be had on consultation with the director.

ENGLISH LANGUAGE AND LITERATURE

PROFESSORS:

HOWARD ROLLIN PATCH, PH.D., LITT.D., *Chairman*

*PAUL ROBERT LIEDER, PH.D.

ROBERT WITHINGTON, PH.D., OFFICIER DE L'INSTRUCTION
PUBLIQUE

ESTHER CLOUDMAN DUNN, PH.D.

**MARY ELLEN CHASE, PH.D., LITT.D., L.H.D.

NEWTON ARVIN, A.B.

CHARLES JARVIS HILL, PH.D.

SAMUEL ATKINS ELIOT, JR., A.B.

HELEN WHITCOMB RANDALL, PH.D.

VISITING PROFESSOR:

ELIZABETH DREW, B.A.

ASSOCIATE PROFESSORS:

KATHERINE GEE HORNBEAK, PH.D.

ALFRED YOUNG FISHER, DOCTEUR DE L'UNIVERSITÉ DE DIJON

EDNA REES WILLIAMS, PH.D.

ELEANOR TERRY LINCOLN, PH.D.

*ROBERT GORHAM DAVIS, A.M.

DANIEL AARON, PH.D.

VISITING LECTURERS:

CÉSAR LOMBARDI BARBER, A.B.

¹VIRGINIA CHASE PERKINS, A.M.

INSTRUCTORS:

JOAN GRIFFITHS, A.M.

MARIE EDITH BORROFF, A.M.

ALBERT PIERPONT MADEIRA, M.A.

BENJAMIN LAWRENCE REID, A.B.

EVELYN PAGE, M.A.

GRETCHEN PAULUS, M.A.

ROBERT OTTO PREYER, A.M.

MORTON IRVING SEIDEN, A.M.

The courses in English which may be taken to fulfill the distribution requirement in Group A are 21, 23, 211.

Students who are planning to major in English and have entered with less than three units of Latin or Greek or a combination of the two, will be required to

take Latin 12a, Greek 11, 12a, or six hours of the classics in translation: Greek 18a, Latin 18b, 28, Classics 29b. They are urged to take at least one course each in history and philosophy.

Required Course

11. Freshman English. Practice in expository and critical writing in connection with the study of selected literary forms. †*Three hours each semester.* Members of the Department. *Director*, Miss Chase.

A. Language and Literature

- 14a. The Informal Essay. Florio's Montaigne to Goldsmith. *Three hours.* M T W 10. Mr Withington.
- 14b. The Informal Essay of the Nineteenth Century. *Three hours.* M T W 10. Mr Withington.
21. Major Figures in English Literature. *Three hours each semester.* Lec. M 10; section meetings T W 9, 10, Th F 10. Members of the Department. *Director*, Miss Griffiths.
23. Forms of the Drama. Survey of the principal forms, European and Asiatic, with special attention to the different kinds of theater and to the greatest plays and playwrights from Aeschylus to Hebbel. *Three hours each semester.* M T W 3. Mr Eliot.
- [25. Literature of the Middle Ages. Characteristic ideas in English and Continental literature. Reading based on translations. *Three hours each semester.* M T W 9. Mr Patch.]
- 28a. Seventeenth-Century Poetry from Donne to Dryden. *Three hours.* Th F S 9. Miss Lincoln.
- [28b. Seventeenth-Century Prose. Essays, allegories, plays, character sketches, from Bacon to Congreve. *Three hours.* Th F S 9. Miss Lincoln.]
211. Literature of the Nineteenth and Twentieth Centuries. *Three hours each semester.* M T W 9. Miss Randall and Miss Drew.
31. Chaucer. *Three hours each semester.* M T W 10. Mr Patch.
32. The History of the English Language. *Three hours each semester.* Th F S 9. Miss Williams.
34. The Renaissance. Ideas of the period as reflected in its literature (exclusive of the drama). *Three hours each semester.* Th F S 11. Miss Dunn.
- 35a. Drama in England before 1560. Open to Sophomores by permission of the instructor. *Three hours.* M T W 11. Mr Withington.
- 35b. English Drama from 1560 to 1642. Tudor and Stuart dramatic literature from the accession of Elizabeth to the closing of the theaters. This course includes an examination of Shakespeare's plays in relation to his predecessors, contemporaries, and successors. Open to Sophomores by permission of the instructor. *Three hours.* M T W 11. Mr Withington.
- [36. Shakespeare. A study of Shakespeare's dramatic development against the background of Elizabethan ideas, social, critical, and theatrical. Not open to students who have taken 37 with which this course alternates. *Three hours each semester.* Th F S 12. Miss Dunn.]

37. Shakespeare. The dramatic and poetic art of Shakespeare. For students majoring in English. Not open to students who have taken 36 with which this course alternates. *Three hours each semester.* M T W 12. Mr Hill.
- 38a (38). The King James Version of the Bible. Influence of its content and style on other English literature. For students majoring in English. *Three hours.* M T W 3. Miss Chase.
- 39b. Milton. *Three hours.* W Th F 2. Miss Lincoln.
310. Eighteenth-Century Literature. *Three hours each semester.* M T W 12. Miss Hornbeak.
- 311b (311). Drama from 1775 to the Present. *Three hours.* Th F S 10. Mr Lieder.
- 312a. Drama in the Last Hundred Years: Russian drama, French drama of 1845-90, Strindberg, German drama of 1890-1925, and Shaw. No plays read in 311 will be read in this course. *Three hours.* Th 4-6 F 4-5. Mr Eliot.
- 312b. Drama in Asia: India, the Indo-Chinese and Malay countries, Tibet, China, and Japan. †*Three hours.* Mr Eliot.
314. The English Novel. *Three hours each semester.* M T W 11. Mr Hill.
- 319b. Romanticism. Blake, Wordsworth, Coleridge, Shelley, and Keats. *Three hours.* M T W 11. Miss Randall.
329. American Literature to 1900. *Three hours each semester.* Th F S 9. Mr Arvin.
- [40b. Review Unit. †*Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in English above Grade I. †*Two or three hours.*
42. Old English. Language and literature of the Anglo-Saxon period, with emphasis on the study of *Beowulf*. †*Three hours each semester.* Miss Williams.
- 43b. Seminar. Wordsworth, Coleridge, and Others. Their poetical and literary theories and innovations; the background both of England and of the Continent, including political and social influences. *Three hours.* Th 3-5. Miss Dunn.
- 44a. Twentieth-Century British Literature, particularly Joyce, Yeats, Auden. *Three hours.* M T W 10. Miss Drew.
- 415b (415). Literary Criticism. The historical background of modern problems. For Seniors. *Three hours.* Th F S 9. Mr Lieder.
- 416a. Transcendentalism in American Literature. Emerson, Thoreau, and Whitman. *Three hours.* Th F S 10. Mr Aaron.
- 416b. American Fiction from 1830 to 1900. Hawthorne, Poe, Melville, and James. *Three hours.* Th F S 10. Mr Aaron.
- 417b. Twentieth-Century American Literature. For students who have passed or are taking 329 or 416b or have passed 416a. *Three hours.* M T W 9. Mr Davis.

B. Composition

Only one course in English composition may be taken in any one semester except by permission of the chairman. Second semester courses are open both to students who have and those who have not taken the corresponding course in the first semester.

[112a, 112b. Composition for Foreign Students. †*Three hours.*]

220a, 220b. Practice in Various Forms of Writing. *Three hours.* M T W 11, 2. Miss Borroff, Mr Reid.

345a. Playwriting. Practice in writing the one-act play. †*Two or three hours.* Mr Eliot.

345b. Playwriting. 345a is not a prerequisite, but students who have passed it will write a full-length play. †*Three hours.* Mr Eliot.

347a. Studies in style and in the expression of different kinds of experience. *Three hours.* M T W 12, 2. Mrs Perkins.

347b. Techniques of fiction and criticism with some consideration of poetry and expository form. *Three hours.* M T W 11, 2. Mr Davis.

348a (348b). Poetics and Practice in Verse Writing. By permission of the instructor. †*Three hours.* Mr Fisher.

428a, 428b. Advanced Composition. For Seniors by permission of the instructor. †*Three hours.* Mr Fisher.

[429a], 429b. Advanced Playwriting. Prerequisite, 345a or b or the equivalent. †*One hour or more.* Mr Eliot.

C. Graduate Courses

50, 50a, 50b. Research and Thesis. *Three or six hours.*

51, 51a, 51b. Advanced studies arranged in consultation with the Department. †*One hour or more.*

53. Seminar in Middle English Poetry. Emphasis will be placed on the works of Chaucer, medieval romances, or medieval drama, according to the special needs of the students. Attention will be given not so much to the reading of texts as to problems of research. †*Three hours each semester.* Mr Patch.

54a. Early English Drama. †*Three hours.* Mr Withington.

54b. Elizabethan Drama. †*Three hours.* Mr Withington.

55. Shakespeare. Critical problems, textual and literary. Lectures and reports. †*Three hours each semester.* Miss Dunn.

[57. Studies in Seventeenth-Century Literature.]

58. Studies in Eighteenth-Century Literature. †*Three hours each semester.* Miss Hornbeak.

[59a], 59b. Studies in Nineteenth-Century Poetry. †*Three hours.* Mr Lieders.

[510. Studies in Prose Fiction. *Three hours each semester.* Miss Muchnic.]

512a, [512b]. Studies in American Literature. †*Three hours.* Mr Arvin.

Adviser of graduate study: Miss Williams.

THE MAJOR

Advisers: Mr Patch, Mr Lieder, Mr Withington, Miss Dunn, Miss Chase, Mr Arvin, Mr Hill, Miss Hornbeak, Mr Fisher, Miss Williams, Mr Davis.

Based on six semester hours from Division A or General Literature 291.

Essential Courses: 40b and eighteen semester hours from Division A, including at least one of the following: 31, 32, 42, or a course in Greek language and literature.

Optional Courses: nine semester hours in English or foreign literatures or in closely allied fields.

In consultation with her adviser every student should arrange the program of her three upper years so as to allow for a reasonable distribution in different periods of literature.

Honors

Director: Miss Lincoln.

Prerequisites: see the requirements for entrance to the major.

Program: students must fulfill the general requirements of the major. The units offered by the Department carry six hours of credit in each semester, and cover the fields of literary history, major figures, the primary types, and literary theory and criticism. Candidates must take at least one unit in each semester of Junior and Senior years, and are expected to take at least one unit or course in each of the four fields.

In first semester of Senior year Honors students will present a long paper to count for six hours credit, but not within the essential twenty-one semester hours outlined in the major.

Each student must correlate a small and carefully circumscribed area of her work in English with at least three hours in units or courses in a closely related field, *e.g.* history, philosophy, religion, classics, modern languages, the theater, art, and music; or with work in linguistics and composition in the Department.

Examinations: two examinations will be general, the third will test the candidate's work in her chosen program of correlation.

A fuller statement of the Honors program may be obtained from the director or the advisers of the major.

FRENCH LANGUAGE AND LITERATURE

PROFESSORS:	VINCENT GUILLOTON, AGRÉGÉ DE L'UNIVERSITÉ HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS
ASSOCIATE PROFESSORS:	RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ DE PARIS, <i>Chairman</i> LOUISE MARIE BOURGOIN, LIC. ÈS L., O.A. MADELEINE GUILLOTON, A.M., LIC. ÈS L. †MARTHE STURM, LIC. ÈS L., DIPLOME D'ÉTUDES SUPÉRIEURES †MARGARET HILL PEOPLES, PH.D. MARINE LELAND, PH.D. A. JEANNE SALEIL, AGRÉGÉE DE L'UNIVERSITÉ
ASSISTANT PROFESSORS:	JEANNE SEIGNEUR GUIET, A.M. ANNE GASOOL, A.M.
VISITING LECTURER:	² MICHEL MOHRT, LIC. EN DROIT
INSTRUCTORS:	RUTH TEMPLETON MURDOCH, A.M., CERT. D'APTITUDE À L'ENSEIGNEMENT DU FRANÇAIS À L'ÉTRANGER ALICE LOUISE BENJAMIN, A.M. GEORGE BIGLER BOSWELL, A.M. WILSIE FLORENCE BUSSELL, M.A.
ASSISTANTS:	FRANCE HENRIETTE LANGLOIS, LIC. ÈS L. MARY LOUISE LIBBY, A.M.

The course in French which may be taken to fulfill the distribution requirement in Group A is 26.

All classes in the Department except 312a are conducted in French.

Freshmen who plan to major in French or who hope to spend the Junior year in Paris or in Geneva are advised to take 13 or 22.

It is recommended that students have a reading knowledge of a second language (ancient or modern), and that those planning to major in French take a general course in English literature and one in European history.

A. Language

- 11D. Elementary Course, first and second parts. *Six hours each semester.* M T W Th F 10 or 12, M 3 T W Th F 2, and one daggered hour. Members of the Department.
12. Elementary Course, second part. Prerequisite, two units in French. *Three hours each semester.* M T W 10, 12; Th F S 11, 12. Members of the Department.
13. Reading, Grammar, and Composition. Prerequisite, three units in French, 12, or 11D. *Three hours each semester.* M T W 9, 12; Th F S 9, 10, 11. Members of the Department.
- 22a, 22b (22). Intermediate Course. Reading and discussion of modern texts. Written and oral reports. Prerequisite, four units in French or 13. *Three hours.* M T W 9, 10; Th F S 9, 10, 11. Members of the Department.
- [24a. Theoretical and Practical Phonetics. Exercises in hearing, pronunciation, and phonetic dictation. Two class hours. *One hour.* Th F 4. Miss Sturm.]
- [24b. A repetition of 24a.]
- [31a], 31b. Advanced Course in Grammar and Composition. Recommended to those who intend to teach French. Prerequisite, 22a and b. 31a is not required for 31b. *Three hours.* M T W 10.

[34b. Advanced and Experimental Phonetics. Prerequisite, 24a or b. †*Two hours*. Miss Sturm.]

[37a. Teachers' Course. Discussion of problems of modern language teaching. †*Three hours*. Miss Cattànès.]

B. Literature

Unless otherwise stated the prerequisite for courses of Grade III is 26.

16. Introduction to French Literature. Choice of representative texts; literary, historical, and cultural background. Prerequisite, three units in French, 12, or 11b. *Three hours each semester*. M T W 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)

26. French Literature of the Seventeenth Century. Prerequisite, four units in French, 13, or 16. *Three hours each semester*. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)

[310b. Life and Works of Molière. To alternate with 321b. †*Three hours*. Miss Leland.]

311a. French Literature in the First Part of the Nineteenth Century. *Three hours*. M T W 9, Th F S 9. Mr Guilloton, Miss Cattànès.

311b. French Literature in the Latter Part of the Nineteenth Century. Recommended background, 311a. *Three hours*. M T W 9, Th F S 9. Mr Guilloton, Miss Cattànès.

312a. French-Canadian Civilization from 1763 to the present. Conducted in English. Recommended background, a reading knowledge of French. *Three hours*. W Th F 2. Miss Leland.

[313b. French Literature in the Eighteenth Century. *Three hours*. Th F S 10. Mr Guet.]

316a. French Literature to the End of the Renaissance. *Three hours*. Th F S 10. Mr Guet.

318a. Contemporary French Drama and Poetry. Recommended background, 311a and b. *Three hours*. Th F S 9. Mrs Guilloton.

318b. Contemporary French Novel. Recommended background, 311a and b. *Three hours*. Th F S 9. Mr Mohrt.

321b. Life and Works of Racine. To alternate with 310b. †*Three hours*. Mr Guilloton.

[323a. French Civilization. Physical environment of France, the French people, survival of characteristics in the provinces, institutions of modern France, French colonies. For students who have passed or are taking 311a. *Three hours*. Th F S 11.]

[40b. Review Unit. †*Three hours*.]

41, 41a, 41b. Special studies in French language or literature. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in French. †*Two or three hours*.

[42b. Advanced Stylistics and Composition. †*Three hours*. Mr Guilloton.]

Graduate Courses

50, 50a, 50b. Research and Thesis. *Three or six hours.*

51, 51a, 51b. Advanced studies arranged in consultation with the Department.
†*One hour or more.*

[52. Old French Linguistics. First semester, phonology; *Chanson de Roland*.
Second semester, morphology; *Aucassin et Nicolette*, *Yvain*, *Lais* (Marie de France).
Graduate students may, with permission of the instructor, enter the course in
second semester. †*Three hours each semester.*]

53. Problems of Modern Syntax. †*Two hours each semester.* Miss Cattànès.

55a. Studies in Old French Literature. †*Three hours.* Miss Leland.

56a. Development of Literary Criticism in France. †*Three hours.* Mr Guilloton.

56b. Literary Relations between England and France in the Eighteenth Century.
†*Three hours.* Mr Guilloton.

[57a. History of Modern French Thought from the Renaissance to the present.
†*Three hours.* Miss Sturm.]

58b. Montaigne. †*One hour or more.* Mr Guet.

[59a. Victor Hugo. †*Three hours.* Miss Peoples.]

[59b. Rousseau. †*Three hours.* Miss Peoples.]

510b. French Poetry from 1885 to the present. †*Three hours.* Mrs Guilloton.
Adviser of graduate study: Miss Leland.

THE MAJOR

Advisers: Miss Leland for 1950, Miss Gasool for 1951.

Based on 26; on 16 or 13 if 26 is taken Junior year in addition to the major.

Essential Courses: 40b and eighteen semester hours in French.

Optional Courses: other courses in the Department or in allied fields.

Honors

Director: Miss Leland.

Prerequisite: 26.

Program:

Requirements: the general requirements for the major; a unit involving the writing of a paper; a review unit.

Optionals: with the approval of the director any unit or course in French or in an allied field of Grade III or IV or, for Seniors, Grade V.

Examinations: of the three examinations, the two on literature will be written in English. One general examination on the whole field of French literature; one specialized examination on a limited period (sixteenth, seventeenth, eighteenth, or nineteenth century, or the modern field); one on language with translation from English to French, from French to English, and a short composition in French.

GEOLOGY AND GEOGRAPHY

PROFESSOR:	†HOWARD AUGUSTUS MEYERHOFF, PH.D.
ASSOCIATE PROFESSORS:	ROBERT FRANK COLLINS, A.M. CAROLINE HEMINWAY KIERSTEAD, PH.D., <i>Chairman</i> BENJAMIN MARTIN SHAUB, PH.D.
ASSISTANT PROFESSORS:	HELEN STOBBE, PH.D. MARSHALL SCHALK, PH.D. ELIZABETH WARREN OLMSTED, A.M.
TEACHING FELLOWS:	CLEONE MILLER ROTAN, A.B. ELAINE GEISSE, A.B.

The courses in geology which may be taken to fulfill the distribution requirement in Group F are 11, 13, 26, Physical Science 194.

Students planning to major or to do Honors work in geology or geography are advised to take at least one of the following: chemistry, physics, or zoology.

11. General Geology. Forces of nature now modifying the materials and structure of the earth; history of the earth. Field trips. Two lectures and one hour of discussion following two hours of laboratory. *Three hours each semester.* Lec. Th F 10; Lab. and discussion M 10-1, M, T, Th, F 2-5, S 9-12. Mr Collins, Mr Schalk, Miss Geisse.
13. North America. Nature and origin of the continent's physical features and natural resources; their part in colonization and industrial expansion. *Three hours each semester.* M T W 9. Miss Olmsted.
- 21a, 21b. Introductory Meteorology. The weather elements; their observation; air mass analysis; short-term and aeronautical forecasting; climatology. Prerequisite for 21b, 21a. Two lectures and one demonstration. *Three hours.* Th F S 9. Mr Schalk.
- 22a. Advanced Physical Geology. Detailed examination of the dynamic geologic agents and their effects. Prerequisite, 11. *Three hours.* Lec. T W 11; Lab. three hours to be arranged. Mr Schalk.
- [22b. Elementary Structural Geology. Origin and surface expression of the structural elements of the earth's crust. Prerequisite, 11. †*Three hours.* Miss Olmsted.]
- 23a, 23b. Paleontology. Morphology, classification and geological significance of fossil invertebrates. Prerequisite, 11 or elementary zoology; 23a is not required for 23b. Two lectures and two and one-half hours of laboratory. *Three hours.* Lec. T W 12; Lab. W 2-4. Mrs Kierstead.
- 24a. Mineralogy. General principles; study of the more important rock-forming and economic minerals. For students who have passed or are taking 11, Chemistry 11 or 12, or Physics 11. Lecture and recitation, two hours; laboratory, two and one-half hours. *Three hours.* Lec. and rec. Th F 9; Lab. F 2. Mr Shaub.
- 25b. Lithology. Interrelation of the main rock types; their origin, structure, mineral composition, occurrence, and economic importance. Field methods of identification. Prerequisites, 11 and 24a. Lecture and recitation, two hours; laboratory, two and one-half hours. *Three hours.* Lec. and rec. Th F 9; Lab. F 2. Mr Shaub.

26. Economic Aspects of Geography. Natural resources of the world in relation to climatic, physiographic, and geologic setting; geographic factors in the development of the world's great trade routes. *Three hours each semester.* M T W 11. Miss Olmsted.
- [28a. Principles of surveying, cartographic drafting, editing, reproduction. Practice in map reading, compilation and simple map drafting. Lecture, two hours; laboratory, three hours. *Three hours.* Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.]
- 29b. Geologic and Geographic Illustration. Charts, graphs, block diagrams, sections. Drawing for reproduction. Two lectures and three hours of laboratory. *Three hours.* Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.
- 211a. Gems and Precious Stones: their properties, origin, and occurrence; their recovery, processing, and marketing; their history. *Three hours.* Th F S 11. Mr Shaub.
- 212b. Gems and Precious Stones: laboratory identification of natural, synthetic, and artificial gems; cutting and processing semiprecious stones. Prerequisite, 211a. †*One hour.* Mr Shaub.
- 31a. Geography of Asia. Influence of relief, climate, and natural resources on the life, movements, and history of its peoples. *Three hours.* M T W 10. Miss Stobbe.
- 31b. Europe and North Africa. Geographic backgrounds of current problems. *Three hours.* M T W 10. Miss Stobbe.
- 32b. South America. Geography of the continent; climatic and physiographic backgrounds of cultural, political, and economic development. *Three hours.* M T W 12. Miss Stobbe.
- [33a, 33b. Physiography of the United States. Geologic origin and development of the country's natural regions. Prerequisite, 11; 33a is not required for 33b. *Three hours.* M T W 10. Miss Olmsted.]
- 34a, 34b. Economic Geology. Lectures and laboratory study of geological products of commercial value. Prerequisites, 11 and Chemistry 11, or Geology 24a. §*Three hours.* Lec. Th F 12. Miss Stobbe.
- [35a, 35b. Historical Geology. Evolution of modern life and its relation to Cenozoic environment. Prerequisite for 35a, 11; for 35b, 35a. *Three hours.* T W 10 and one hour to be arranged. Mr Collins.]
- 36a, 36b. Field Geology. Methods; theory and use of Brunton, alidade, and other mapping instruments; topographic and geologic surveying; applied structural geology. Prerequisite for 36a, 11; for 36b, 36a. *Three hours.* T Th 2-6. Mrs Kierstead.
- 37a (37b). Stratigraphy. Geological systems and subdivisions; their invertebrate fossil content and lithologic characteristics. A field trip of one or more days. Prerequisite, 23a or b. †*Three hours.* Mrs Kierstead.
- [38a. Optical Mineralogy. Optical properties and identification of minerals in fragments and thin sections. Prerequisite, 25b. †*Three hours.* Mr Shaub.]

- 39b. Petrography. Identification and classification of rocks with the polarizing microscope. Prerequisite, 38a. †*Three hours*. Mr Shaub.
- [40. Seminar in Geology or Geography. †*Three hours each semester*.]
- 41, 41a, 41b. Special studies in geology or geography. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in the Department. †*Two or three hours*.
42. Seminar in Geology, based on three semester hours in each of the following: paleontology, mineralogy, and physical geology or physiography. For Seniors majoring in geology, for others by permission of the director. *Three hours each semester*. M 2-5. Members of the Department. *Director*, Mr Shaub.
43. Seminar in Geography. For Seniors majoring in geography, for others by permission of the director. *Three hours each semester*. Th 2-5. Members of the Department. *Director*, Miss Stobbe.
- 50, 50a, 50b. Research and Thesis. *Three or six hours*.
- 51, 51a, 51b. Individual problems in geology or geography. †*Two hours or more*.
- 52, 52a, 52b. Paleontology or Stratigraphy. †*Two hours or more*. Mrs Kierstead.
- 53, 53a, 53b. Physiography or Structural Geology. †*Two hours or more*. Miss Olmsted.
- 54, 54a, 54b. Comparative Anatomy, Adaptive Radiation, and Taxonomy of Cenozoic Mammals. Prerequisite, Zoology 22 or the equivalent. †*Three hours or more*. Mr Collins.
- 55, 55a, 55b. Crystallography, Mineralogy, Petrology, or Gemology. †*Three hours*. Mr Shaub.
- 56, 56a, 56b. Micropaleontology. Foraminifera and their classification; methods of laboratory technique; individual problems on the identification of foraminifera from important stratigraphic horizons. Also for Seniors by permission. Lecture, two hours; laboratory, four hours or more. †*Three hours or more*. Mrs Kierstead.
- 57, 57a, 57b. Cartography. Problems in the methods and technique of map making and physiographic illustration; conferences on the history of maps. †*One hour or more*. Mr Collins.

Adviser of graduate study: Mrs Kierstead.

THE MAJORS

A. Geology

Adviser: Mrs Kierstead.

Based on 11.

Essential Courses: 36a and b, 40, and nine semester hours in geology.

In addition each student is expected to take a three-day field trip, conducted by members of the Department, to an area of outstanding geologic interest.

Approximate cost, \$25.

Optional Courses: other courses in geology or in other sciences.

B. Geography

Adviser: Mrs Kierstead.

Based on 11, 13, 21a, or 26.

Essential Courses: 11 if not already taken; 40 and nine semester hours above Grade II in the Department.

Optional Courses: other courses in geology; courses in other sciences, history, and economics.

Honors

Director: Mrs Kierstead.

Two programs are offered: A affords maximum choice of courses for the general geology student; B provides the best course selections in anticipation of graduate study.

Prerequisites and Program: for A—11; 22a and b, 23a and b, 24a, 25b, 36a and b, 40, and eighteen additional hours in geology. All Grade II courses must be completed before the end of Junior year.

For B—11; six semester hours chosen from 22a and b, 23a and b, or 24a and 25b; one year of college chemistry, physics, or zoology. In Junior year any Grade II courses listed that have not been taken, and a year of work in chemistry, physics, or zoology chosen in consultation with the director. Before graduation the candidate will take 36a and b, 40, and six semester hours in each of the following fields: petrography and economic geology, paleontology and historical geology, structure and physiography.

Examinations: two will be in the general field of the major; a third may be in a field of concentration.

GERMANIC LANGUAGES AND LITERATURES

PROFESSOR: **PAUL GERALD GRAHAM, PH.D., *Chairman*

ASSOCIATE PROFESSORS: †ANN ELIZABETH MENSEL, M.A.

*MARIE SCHNIEDERS, PH.D.

WOLFGANG PAULSEN, PH.D.

ASSISTANT PROFESSOR: ANITA LURIA ASCHER, PH.D.

INSTRUCTORS: HELENE SOMMERFELD, A.M.

SABINE JESSNER BASS, A.M.

The courses in German which may be taken to fulfill the distribution requirement in Group A are 25a and b, 26.

Students who possess a thorough knowledge of German considerably in excess of what they need to offer for admission, or of what their preparatory school work indicates, may be assigned to more advanced classes. They should consult the chairman of the Department.

Students planning to major in German should carry work in German both years and should have some knowledge of German history. At least one course in philosophy is also recommended.

Those who need a knowledge of German for use in the sciences will be given appropriate reading in the various German courses.

A. German Language

11. Elementary Course. Five class hours. *Three hours each semester.* M T W Th F 11, 12. Mrs Sommerfeld, Mrs Bass.

- 11D. Elementary Course, covering the work of two years. Seven class hours. *Six hours each semester.* M T W Th F 10 and two daggered hours. Miss Ascher.
12. Intermediate Course. Prerequisite, two units in German or 11. *Three hours each semester.* M T W 11, Th F S 11. Mr Graham, Mrs Bass.
21. Composition and Conversation. Prerequisite, three units in German, 11D, 12, or the equivalent. *Three hours each semester.* M T W 9. Mrs Sommerfeld.

B. German Literature

- The prerequisite for courses of Grade III is a Grade II course or the equivalent.
- 25a, 25b. Modern Prose. The *Novelle* of the nineteenth and twentieth centuries. Prerequisite, three units in German, 11D, 12, or the equivalent. *Three hours.* Th F S 11. Miss Ascher. (L)
26. An Introduction to the Classical Literature of the Eighteenth Century. Selections from the works of Lessing, Goethe, and Schiller. Prerequisite, three units in German, 11D, 12, or the equivalent. *Three hours each semester.* M T W 10, Th F S 10. Mr Graham, Mr Paulsen. (L)
- 34a, 34b. German Literature of the Nineteenth Century, beginning with the romantic movement. *Three hours.* T 4-6 Th 4. Mr Graham.
- 35a. An Historical Survey of German Literature from the earliest times to the middle of the eighteenth century. †*Three hours.* Mr Paulsen.
- 38b. Masters of Modern German Literature. Selected works of representative writers since 1890. *Three hours.* M T W 12. Mr Paulsen.
- 311a. Goethe: his life and works. *Three hours.* Th F S 10. Mr Paulsen.
- 311b. Goethe's *Faust*, Parts I and II. *Three hours.* Th F S 10. Mr Paulsen.
- [40b. Directed Reading required of Seniors majoring in the Department. *Three hours.*]
- 41, 41a, 41b. Special studies arranged in consultation with the Department. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in German. †*Two or three hours.*

C. Scandinavian

- [313. Modern Norwegian: readings from Ibsen, Bjørnson, Lie, Undset, Hamsun, etc. Miss Schnieders.]

D. Germanic Philology

- 42b (42). Historical Survey of the German Language. †*Three hours.* Miss Schnieders.
- [43. Old Norse. Miss Schnieders.]

E. Graduate Courses

- 50, 50a, 50b. Research and Thesis. *Three or six hours.*
- 51, 51a, 51b. Special studies in the fields of literature and linguistics arranged in consultation with the Department. †*One hour or more.*
- [52. Middle High German. †*Two hours each semester.* Miss Schnieders.]
- [53. Gothic. Open also to students of the English Department. †*Two hours each semester.* Miss Schnieders.]

56. Classical Literature. Lessing, Schiller, Goethe. Hours and credit arranged individually.

57. The Nineteenth Century. The novel, drama, or lyrics. Hours and credit arranged individually.

Adviser of graduate study: Mr Paulsen.

THE MAJOR

Adviser: Mr Graham.

Based on 11D or 12.

Essential Courses: 21, 35a, 40b, and nine semester hours of other German courses above Grade II.

Optional Courses: courses in German, foreign literatures, history, or philosophy.

Honors

Director: Mr Paulsen.

Prerequisites: 21, 26, or the equivalent.

Program: a minimum of forty-eight semester hours.

Requirements: a minimum of twenty-four semester hours in the Department; twelve hours in related fields; three or six in first semester of Senior year on the preparation of a paper; three in second semester on directed reading.

Examinations: an examination on the general field; one on a specialized field; and an analytical examination which may include such topics as problems of analysis, criticism and style, translation from German into English and from English into German, a composition in German.

Units

The Department will offer units in the fields of linguistics, literature, and language for Honors students in German or for Honors students in other departments who have had a Grade II course in German. In addition units conducted in English will be offered for Honors students in other departments who have had no German.

GOVERNMENT

PROFESSORS:	BENJAMIN FLETCHER WRIGHT, PH.D. ALICE M. HOLDEN, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	†JOHN CALYER RANNEY, PH.D. GWENDOLEN MARGARET CARTER, PH.D. §RUTH CATHERINE LAWSON, PH.D.
ASSISTANT PROFESSOR:	JACK WALTER PELTASON, PH.D.
LECTURER:	DANIEL AARON, PH.D.
INSTRUCTORS:	CECELIA MARIE KENYON, PH.D. WILLIAM EDWARD LEUCHTENBURG, A.M. JOHN PAUL TREVITHICK, M.A.
TEACHING FELLOW:	ELIZABETH CECELIA STADULIS, A.B.

The courses in government which may be taken to fulfill the distribution requirement in Group E are 11, 21, 31, 37, 323, Social Science 192.

For students planning to major or to do Honors work in the Department 21, History 11, Economics 21, and Sociology 26 are suggested. See also the Honors program.

11. Introduction to Politics. Leading problems, principles, and concepts in political science. For Freshmen and Sophomores only; not open to students who have taken Social Science 192. Two lectures and one recitation. *Three hours each semester.* Lec. M T 12. Rec. T 3; W 9, 11, 12; Th 11, 12; F 2. Miss Kenyon, Mr Leuchtenburg, and members of the Department.
- 11a. The first semester of 11 for Sophomores who have passed Social Science 192. Hours and instructors as in 11.
21. American Government. A survey of American government—national, state, and local. *Three hours each semester.* M T W 10. Mr Trevithick.
31. Comparative Government. Ideas and institutions of democratic and totalitarian governments, with special attention to England, Germany, France, and Russia in comparison with the United States. Recommended preparation, 11 or History 11. *Three hours each semester.* M T W 9. Miss Kenyon.
- 32a (32b). The British Commonwealth of Nations. Its development and organization, and a study of political ideas and institutions in Canada, Australia, New Zealand, South Africa, Eire, and India. *Three hours.* Th F S 10. Miss Carter.
- 33b. American Constitutional Law. Powers of the national government and fundamental rights of citizens as interpreted by decisions of the Supreme Court. Prerequisite, 21 or by permission of the instructor. *Three hours.* M T W 2. Mr Peltason.
- 34a. American Politics: Political Parties. Their techniques and their place in the American system. *Three hours.* M T W 3. Mr Peltason.
- [34b. American Politics: Pressure Groups. A study of their role in American politics and their effect on the theory and practice of "government by public opinion." *Three hours.* M T W 3.]
- 35a. International Law. *Three hours.* Th F S 10. Miss Holden.
- [36a. Public Administration: Administrative Organization. Role of an expert civil service, techniques of administrative action and responsibility. Case studies in budgetary procedures and in the relation of government to the economy. *Three hours.* Th F S 9.]
- 36b. Public Administration. A survey of the basic problems of personnel, organization, finance, administrative discretion and responsibility, and administrative controls over economic life. *Three hours.* M T W 11. Mr Trevithick.
37. International Relations. History and practice of international relations and the development of international organization. Open, by permission of the instructor, to Sophomores who have taken 11. *Three hours each semester.* W Th F 2. Miss Holden.
- 322a (322b). American Diplomacy. A study of the foreign policy of the United States to 1898. *Three hours.* Th F S 12. Miss Bornholdt.
- 322b. American Diplomacy. A study of the foreign policy of the United States since 1898. *Three hours.* Th F S 12. Miss Carter.
323. History of Political Thought from Plato to the present, with attention to Greek political philosophy, the Stoics, medieval theory, rise of the nation-state, and approaches to an international world order. Designed to provide a foundation for the understanding of current political problems. *Three hours each semester.* Th F S 11. Miss Carter.

[40b. Directed Reading required of Seniors majoring in the Department. *Three hours.*]

41, 41a, 41b. Special studies in advanced work arranged for individuals or small groups. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in government. †*Two or three hours.*

42b. Seminar in Contemporary Political Thought. Modern political theories and current conceptions of sovereignty, liberty, equality, law, and the bases of a world order. By permission of the instructor. †*Three hours.* Miss Carter.

43b. Seminar in International Organization. The evolution of modern international government; the United Nations organization and allied bodies. By permission of the instructor. †*Three hours.* Miss Holden.

44a. Seminar in American Government. †*Three hours.* Mr Leuchtenburg.

45a. Seminar in Comparative Institutions. Special studies in foreign political institutions: political parties, instruments for the expression and control of public opinion, electoral systems, parliaments, cabinets, and planning and administrative agencies. Prerequisites, 31 and permission of the instructor. †*Three hours.* Miss Kenyon.

46a, 46b (324a). American Political Thought from the Seventeenth Century to the Present. By permission of the instructor. *Three hours.* Th F S 9. Mr Aaron, Miss Kenyon.

47b. Interdepartmental Seminar in Government, History, and Sociology: for 1949-50, A study of certain social movements in American life: historical, political, and sociological aspects. By permission of the director, Mr Page. †*Three hours.* Miss Bornholdt, Mr Peltason.

50, 50a, 50b. Research and Thesis. *Three or six hours.*

[55a], 55b. Seminar. †*Three hours.*

Adviser of graduate study: Miss Carter.

THE MAJOR

Advisers: Miss Holden, Miss Carter, Mr Peltason, Miss Kenyon.

Based on 11 or Social Science 192 and Government 11a.

Essential Courses: 323, 40b, and twelve semester hours in government.

Optional Courses: nine semester hours selected from government, history, or economics, or from sociology or philosophy.

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

Honors

Director: Miss Holden.

Prerequisites: 11 and at least one introductory course in history, economics, or sociology; or Social Science 192 and at least one introductory course in history. Program:

Minimum requirement: in Junior year, a unit in the history of political theory, directed reading (three semester hours in second semester); in Senior year, a

unit, long paper, and directed reading (normally six semester hours in second semester).

A full Honors program is recommended.

The work must be taken in a special field consisting of specified subjects, (1) American government, (2) comparative institutions, (3) international affairs, or (4) political theory.

Long paper: in most cases to count for six semester hours, but exceptionally for three.

Examinations: one comprehensive paper in political science and theory; one in the special field; one in a specific subject.

Units

Political Theory. *First semester*, Miss Carter.

Comparative Government. *Second semester*, Miss Kenyon.

International Law. *First semester*, Miss Holden.

Studies in the American Democratic Tradition. *Second semester*, Mr Aaron.

HISTORY

PROFESSORS:

SIDNEY R. PACKARD, PH.D., *Chairman*

**HAROLD UNDERWOOD FAULKNER, PH.D., L.H.D.

VERA BROWN HOLMES, PH.D.

†HANS KOHN, DR. JUR.

LEONA CHRISTINE GABEL, PH.D.

VINCENT M. SCRAMUZZA, PH.D.

ASSOCIATE PROFESSORS: JEAN STRACHAN WILSON, PH.D.

*ELISABETH KOFFKA, PH.D.

MAX SALVADORI, DR. SC. (POL.)

DAVID DONALD, PH.D.

ASSISTANT PROFESSORS: LAURA ANNA BORNHOLDT, PH.D.

JANE ELEANOR RUBY, M.A.

INSTRUCTORS: NELLY SCHARGO HOYT, PH.D.

KLEMENS VON KLEMPERER, PH.D.

TEACHING FELLOWS: BARBARA DIANTHA HOBSON, A.B.

ELOISE GOMPF, A.M.

MARION ELIZABETH LINDE, A.B.

The prerequisite for all courses in the Department is 11, 12, or 13.

The distribution requirement in Group D may be met by any one of these courses.

Qualified students who may wish to fulfill this requirement by taking courses of Grade II should consult the chairman of the Department.

11. General European History. A survey of the history of Europe from the decline of the Roman Empire to the present. One lecture and two recitations. *Three hours each semester.* Lec. M 2. Rec. T W 10, 11, 12, 2; Th F 9, 10, 11, 12. Members of the Department. *Director*, Miss Ruby.

12. The Ancient World. A survey of Mediterranean civilizations to the fall of the Roman Empire. Two lectures and one recitation. *Three hours each semester.* Lec. M T 10; Rec. W 10, 12, 3. Mr Scramuzza and other members of the Faculty.

13. History of the Western Hemisphere. A study of the Americas from the age of discovery to the present: the European heritage, the growth of colonial societies, imperial rivalries, the development of a variety of cultural patterns, and the evolution of the United States, Canada, and the Latin-American nations in their world setting in the nineteenth and twentieth centuries. *Three hours each semester.* Th 9, 10, or 12 and F S 9. Mrs Holmes with the co-operation of Mr Faulkner, Mr Donald, Miss Bornholdt, and others.
- 24a. Early English History to 1603. *Three hours.* M T W 11. Mr Packard.
- 24b. English History since 1603. *Three hours.* M T W 11. Miss Wilson.
- 28 (28a). History of the United States. A survey of the life of the American people from the period of discovery to the present, emphasizing cultural and economic as well as political factors in the development of the nation. *Three hours each semester.* Th F S 10. Mr Donald.
- 29a (29). American Economic History since 1865. Economic development of the United States and its influence upon political history. *Three hours.* M T W 10. Mr Faulkner.
- 32a. The Ancient Near East. Civilization in Egypt, Mesopotamia, Asia Minor, Syria, Palestine, and Persia. Open to Sophomores by permission of the instructor. *Three hours.* M T W 9. Mr Scramuzza.
- 32b. The Struggle for Democracy and Liberty in Ancient Greece and Rome. Open to Sophomores by permission of the instructor. *Three hours.* M T W 9. Mr Scramuzza.
- [33a. History of Greece in the Age of Pericles. The emphasis is on social and intellectual history, with an epilogue on the Hellenistic period. Open to Sophomores by permission of the instructor. *Three hours.* M T W 9. Mr Scramuzza.]
- [33b. The Roman Empire. Chiefly a social and political study. Open to Sophomores by permission of the instructor. *Three hours.* M T W 9. Mr Scramuzza.]
- [34b. Economic and Social History of Europe in the Middle Ages. Recommended background, 11, 24a, or 35b. *Three hours.* M T W 10. Mr Packard.]
- 35b. Cultural History of Europe in the Middle Ages. Recommended background, 11, 24a, or 34b. *Three hours.* M T W 10. Mr Packard.
- 36 (36a). Age of the Renaissance and Reformation. A study of the transition from medieval to modern times. *Three hours each semester.* Th F S 9. Miss Gabel.
- 38b (38a). Intellectual History of Europe in the Eighteenth Century; main trends of thought in the fields of philosophy, history, theology, and social relations. *Three hours.* M T W 11. Mrs Koffka.
39. Modern European History. Political, social, and cultural movements from 1815 to the present. *Three hours each semester.* M T W 12. Mr Salvadori.
- 310a. Modern Britain. Political, social, and intellectual Britain in the nineteenth and twentieth centuries. *Three hours.* M T W 11. Miss Wilson.
- [315a (315b). Intellectual History of Continental Europe, 1830-1930. The history of ideas as expressed in political and social thought and in literature in France, Germany, and Russia. *Three hours.* M T W 11. Mr Kohn.]

- 316b. Modern Imperialism. Changing conceptions of imperialism in the nineteenth and twentieth centuries under the impact of power politics and ideological factors, with special reference to British, French, and Russian rivalries in Asia and Africa. *Three hours.* Th F S 11. Mrs Holmes.
- 317a. History of Russia from the Kievan period to the present. *Three hours.* Th F S 10. Mr von Klemperer.
- [317b. The Far East in Modern Times. A survey of political, economic, and diplomatic developments, with emphasis on China and Japan. *Three hours.* Th F S 10.]
- 320a. History of the United States in Recent Times. Effects of social and technological changes on the economic problems of the American people, their political interests and party organizations, cultural development, and relations with the rest of the world. *Three hours.* M T W 11. Mr Faulkner.
- 321a, 321b. Intellectual History of the United States. Cultural interests and achievements of the American people and their leaders in relation to social and economic environment. *Three hours.* Th F S 11. Mr Donald.
- 322a (322b). History of the Foreign Policy of the United States to 1898. Recommended background, Government 37 or a course in American history. *Three hours.* Th F S 12. Miss Bornholdt.
- 322b. History of the Foreign Policy of the United States since 1898. *Three hours.* Th F S 12. Miss Carter.
- 325a. Latin-American History. A study of the Latin-American states from their independence to the present day. Open to Sophomores by permission of the instructor. *Three hours.* Th F S 11. Mrs Holmes.
- [325b. Latin-American History. Political and social developments since 1900. Open to Sophomores by permission of the instructor. *Three hours.* Th F S 11. Mrs Holmes.]
- 331b. Modern Historical Thought. A study of philosophies and general interpretations of history from the eighteenth century to the present. For Seniors majoring in history, for nonmajors by permission of the instructor. *Three hours.* Th F S 9. Miss Ruby.
- [40b. Modern Historical Thought. †*Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in history above Grade I. †*Two or three hours.*

Undergraduate Seminars

These courses are limited to ten students and are open with the permission of the instructors to Seniors, and to Juniors who have completed a second course in history. They will ordinarily meet each week for two hours, counting as *three*. In special cases Honors students may be permitted to take a seminar for *six* hours' credit.

- [42b. Ancient History: problems in the decay of civilizations drawn from the decline of ancient Greece and Rome. Mr Scramuzza.]
- 44b. The Medieval Town, mainly in the twelfth and thirteenth centuries. Th 4. Mr Packard.

- 47b. Interdepartmental Seminar in Government, History, and Sociology: for 1949-50, A study of certain social movements in American life: historical, political, and sociological aspects. By permission of the director, Mr Page. †*Three hours*. Miss Bornholdt, Mr Peltason.
- 48a (47a). Revolution and Dictatorship. The French Revolution and Napoleon, with special attention to the influence of liberal thought, the role of pressure groups, development of nationalism and imperialism, and rise of dictatorships. Miss Gabel.
- 49b. Problems of Social Reconstruction in Modern Britain. Miss Wilson.
- 410a. The Growth of Liberal Institutions in European States, 1815-75. M 4-6. Mr Salvadori.
- [411a. Selected Topics from the History of German Nationalism.]
- 411b. Conservative Policies and Theories in Continental Europe during the first half of the nineteenth century. T 4-6. Mr von Klemperer.
- 413a. The Early National Period. American history after 1789, studied through such topics as nationalism, sectionalism, rise of democracy, and development of the industrial revolution. Th 7:30. Mr Donald.
- [414a. History of the American Revolution. An intensive study of the period between 1763 and 1789, with special emphasis on the economic, social, and political factors involved in the American struggle for independence, diplomacy of the Revolution, and writing of the Constitution.]
- [414b. History of American Westward Expansion. The westward movement of dominant American economic, social, and cultural tendencies during the nineteenth century. Th 7:30.]
- 415b (415a). American Foreign Policy since 1898, with special reference to the Pacific area. Miss Bornholdt.
- 420b. Inter-American Relations in the Nineteenth and Twentieth Centuries. Relations of Argentina, Brazil, Mexico, and Caribbean countries with the United States. Mrs Holmes.

Graduate Seminars

- 50, 50a, 50b. Research and Thesis. *Three or six hours*.
- 51, 51a, 51b. Special problems in advanced work in history, arranged individually with graduate students. †*One hour or more*.
- [52b. Introduction to the Sources of Medieval History. †*Three hours*. Mr Packard.]
- [53a or 53b. Selected Topics in the History of England in the Sixteenth and Early Seventeenth Centuries. †*Three hours*. Miss Wilson.]
- 55b. Modern European History: Nationalism and Socialism after 1880. *Three hours*. M 4-6. Mr Salvadori.
- 56b (56a). Early American History. *Three hours*. Mr Donald.
- 57a. Recent American History. †*Three hours*. Mr Faulkner.
- 58a or b. Latin-American History. Selected topics. †*Three hours*. Mrs Holmes.
- Adviser of graduate study: Mrs Holmes.

THE MAJOR

Advisers: Mrs Holmes, Miss Gabel (chairman), Mr Scramuzza, Mr Salvadori, Mr Donald, Mr von Klemperer.

Based on 11, 12, 13, or an equivalent course. Students who have been exempted from the distribution requirement in Group D are expected to take six semester hours in the Department in their first two years if they wish to major in history.

Essential Courses: 40b and eighteen semester hours in history.

Optional Courses: nine semester hours selected from history, government (above Grade I), economics, sociology, or from literature or other courses appropriately related.

Major programs may be arranged to correlate work in history and related subjects in such broad fields as ancient civilization, medieval or Renaissance studies, modern Europe, or area studies (*e.g.* the Americas).

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

The attention of students who may be interested is called to the Interdepartmental Major in American Studies.

Honors

Director: Miss Wilson.

Prerequisites: two courses in history or one course in history and one in a field appropriately related to the Honors program.

Program: the fixed requirements for all candidates will consist of (1) a minimum of twelve semester hours in units and seminars, including the introductory unit (three hours) taken in first semester of Junior year; (2) directed reading (three hours) in second semester of Senior year; (3) a long paper written in first semester of Senior year; (4) comprehensive examinations. Subject to these requirements a candidate may spend all or any part of her program on Honors work.

Examinations: (1) a general comprehensive examination assuming some preparation in each of the fields—Europe before 1648, Europe since 1648, American history; (2) an examination on historical literature and method; (3) a special examination in one of the following fields: ancient, medieval, early modern, Europe since 1789, American. Students will construct their programs with this distribution and emphasis in mind.

Units

History and Historians (introductory unit). A comparative study of the great historians in the major fields. Open also to properly qualified majors and to graduate students by permission of the Director. M 7:30. *First semester*, Members of the Department. *Director*, Miss Ruby.

Ancient History: Greek or Roman. *First semester*, Mr Scramuzza.

Medieval History. *First semester*, Mr Packard.

The Renaissance. *Second semester*, Miss Gabel.

Tudor and Stuart England or Western Europe in the Seventeenth Century. *First semester*, Miss Wilson.

Europe since Napoleon. *Second semester*, Mrs Koffka.

[English History, Nineteenth Century. *First semester*, Miss Wilson.]

Studies in Modern Imperialism or Latin-American History. *First semester*, Mrs Holmes.

[The Development of the United States to 1865. *First semester*.]

American Intellectual History. *Second semester*, Miss Bornholdt.

HYGIENE AND BACTERIOLOGY

PROFESSORS:	MARION FRANCES BOOTH, A.B., B.SC., M.D., College Physician, <i>Chairman</i> ABBIE MABEL O'KEEFE, M.D.
ASSOCIATE PROFESSORS:	*ELIZABETH FAITH GENUNG, M.S. **K. FRANCES SCOTT, PH.B., M.D. FRANCES CAMPBELL MCINNES, A.M., M.D. †ELINOR VAN DORN SMITH, PH.D.
ASSISTANT PROFESSORS:	ELIZABETH DOROTHY ROBINTON, A.M., <i>Subchairman</i> RUTH VICTORIA HEMENWAY, M.D. LOUISE PADDON BUCKNER, B.S., M.D.
INSTRUCTOR:	BETTY ANN BACHMAN, M.A.
TEACHING FELLOWS:	MARY ANN AIKEN, B.S. AUDREY JOAN JONGBLOED, A.B.

HYGIENE

The requirement in hygiene may be met in one of four ways: (a) by having passed an approved course in secondary school (students will be notified if their courses are approved); (b) by passing an examination given at the opening of college; (c) by completing 11a; (d) by completing 12a. The requirement must be completed in the first year in college.

The exemption examination will cover the hygiene of all systems of the body and the prevention of communicable diseases.

11a. Hygiene Lectures. Body mechanics, nutrition, vision and lighting, mental hygiene, the reproductive systems, and control of communicable diseases. One hour without credit. Students will be assigned to lecture hour. Dr Scott.

11b. Repetition of 11a for students who failed the exemption examination or who have permission to postpone the requirement.

NOTE.—Students who take 11a or b must carry it in addition to the minimum of fifteen hours.

12a. Hygiene of the Individual. A discussion of each body system and function, and the differing health requirements at various age levels and under varying living conditions. *Three hours.* M T W 3. Dr Scott.

12b. Hygiene of Group Living. Elementary study of community health problems, including a discussion of preventable diseases and environmental health hazards, together with modern methods and official agencies for their control. Optional field trips. *Three hours.* M T W 3.

[21b. Modern Public Health Movements. Survey of the developing concept of public health since the eighteenth century, with consideration of the functions of official and nonofficial agencies; detailed study of major modern problems of public health; discussion of recent proposals for the socialization of medical care. Two afternoon field trips will be required. *Three hours.* M T W 2. Dr Scott.]

53a (53b). Health Education. Special problems of personal and environmental hygiene applying to the physical activity, growth, and health of school children, and to school buildings and playgrounds. For graduate students in physical education, or by permission of the instructor. †*Three hours.* Dr Scott.

- 54a. Advanced Health Education. Construction of teaching units in the fields of personal and community health. Practice teaching. Prerequisite, 53a. †*Three hours*. Dr Scott.

BACTERIOLOGY

The courses in bacteriology which may be taken to fulfill the distribution requirement in Group G are 22, 27a and b, Biological Science 195.

22. Bacteriology and Other Phases of Microbiology. Methods of study of principal kinds of microorganisms including bacteria, yeasts, and molds, with emphasis on the relation of microorganisms to domestic, economic, and public health problems. Prerequisite, Chemistry 11 or the equivalent. Two lectures and two two-hour laboratory periods. *Three hours each semester*. Lec. T W 10; Lab. M W 2. Miss Robinton, Miss Aiken.
- 27a. General Microbiology. Outline of the biological relationships of microorganisms to higher forms of life and the interrelationships among microorganisms. Prerequisite, an introductory course in chemistry, zoology, or botany. Lectures and demonstrations. *Three hours*. M T W 12. Miss Bachman.
- 27b. Microorganisms of Importance to Man. A study of microbial activities in relation to the life of the individual and the community. Prerequisite, 27a or one semester of 22. Lectures and demonstrations. *Three hours*. M T W 12. Miss Bachman.
- [34. Advanced Bacteriology and Serology. Systematic study of pathogenic bacteria and public health laboratory methods of disease diagnosis, including agglutination and Wassermann reactions. Prerequisite, 22. One lecture and five hours of laboratory. *Three hours each semester*. Lec. Th 2; Lab. Th 3-5 F 2-5. Miss Smith.]
- [40b. Seminar. †*Three hours*.]
- 41, 41a, 41b. Special studies in bacteriology and serology. By permission of the Department for Senior majors who have had twelve semester hours in bacteriology above Grade I. †*Two or three hours*.
- 42a (42b). Pathogenic Fungi and Antibiotics. Systematic studies of the higher bacteria and fungi of medical importance. Prerequisites, 22 and first semester of 34 or Botany 34a. *Three hours*. Lec. Th 9-11; Lab. T 2-4 F 9-11. Miss Robinton.
- [43a], 43b. Seminar in Backgrounds of Bacteriology. Survey of the discoveries and developments in bacteriology which have had a vital influence on the fields of medicine and surgery, public health and sanitation, and on certain industrial and domestic operations. For Seniors only. Prerequisite for 43a, 22 or 27b; for 43b, 43a. †*Three hours*. Miss Genung.
- 44b. Seminar in Bacteriology and Immunology. By permission of the instructors for students who have passed or are taking 34. †*One hour*. Miss Robinton, Miss Bachman.
- 50, 50a, 50b. Research and Thesis. *Three or six hours*.
- 51a, 51b. Advanced Studies. †*One hour or more*.

55a, 55b. Problems in Bacteriology and Serology. †*Two hours or more.* Miss Robinton, Miss Bachman.

56a (56b). Problems in Pathogenic Fungi and Antibiotics. †*Two hours or more.* Miss Robinton.

Adviser of graduate study: Miss Robinton.

Attention is called to the Interdepartmental Major in Bacteriology.

ITALIAN LANGUAGE AND LITERATURE

ASSOCIATE PROFESSORS: ANACLETA CANDIDA VEZZETTI, DOTTORE IN FILOSOFIA E PEDAGOGIA

[RUTH ELIZABETH YOUNG, A.M.

MICHELE F. CANTARELLA, A.M., *Chairman*

INSTRUCTOR: MARIA TERESA ARRIGHI, DOTTORE IN LETTERE

The course in Italian which may be taken to fulfill the distribution requirement in Group A is 26.

Students planning to major in Italian, who have entered with only two units of an inflected language, will be required to take Latin 12a, Greek 12a, or six hours of the classics in translation: Greek 18a, Latin 18b, 28, Classics 29b.

11d or 12 is the prerequisite for 26, 36, 37, 38, and 39.

11. Elementary Course. Five class hours. *Three hours each semester.* M T W 11 and two hours to be arranged. Miss Vezzetti, Miss Arrighi.

11d. Elementary Course, covering the work of two years. *Six hours each semester.* M T W Th F S 9; additional hours to be arranged for conversation in place of some preparation. Miss Arrighi.

12. Intermediate Course. Reading from modern Italian literature, with grammar and composition. Prerequisite, two units in Italian or 11. †*Three hours each semester.* Mr Cantarella.

26. Survey of Italian Literature. Reading of outstanding works, with cultural and social background. *Three hours each semester.* Th F S 10. Miss Vezzetti. (L)

[31. Advanced Composition and Translation. *Three hours each semester.* Miss Young and Mr Cantarella.]

36. Dante: *Vita Nuova, Divina Commedia.* *Three hours each semester.* M T W 10. Mr Cantarella.

[37. Major Literary Figures from Petrarch to Tasso. †*Three hours each semester.* Mr Cantarella.]

[38. Literature of the Eighteenth and Nineteenth Centuries. †*Three hours each semester.* Mr Cantarella.]

39. Contemporary Literature. *Three hours each semester.* M T W 9. Miss Vezzetti.

[40b. Directed Reading and Review. *Three hours.*]

41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in Italian. †*Two or three hours.*

50, 50a, 50b. Research and Thesis. *Three or six hours.*

51, 51a, 51b. Advanced Studies. †*One hour or more.*

Adviser of graduate study: Miss Vezzetti.

THE MAJOR

Adviser: Mr Cantarella.

Based on 11D or 12.

Essential Courses: 26, except for those who spend the Junior year in Italy, 36, 40b, and one other course of Grade III.

Optional Courses: closely related courses in allied fields such as history, literature, art, and music.

HONORS

Director: Miss Vezzetti.

Prerequisite: 11D or 12.

Program: to be arranged with the director; three hours on an independent piece of work.

Examinations: one on the general field of literature; one on the field of specialization; one on linguistic preparation.

MATHEMATICS

PROFESSOR:	NEAL HENRY MCCOY, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	RICHARD EDWARD JOHNSON, PH.D.
ASSISTANT PROFESSOR:	ANNE FRANCES O'NEILL, PH.D.
INSTRUCTOR:	¹ KATHLEEN BUTCHER WHITEHEAD, PH.D.

The courses in mathematics which may be taken to fulfill the distribution requirement in Group F are 12, 13, 14. However, if a student is considering a major in the Department 14 is not advised.

Students planning to major in mathematics are advised to offer three units of mathematics for entrance and to take in the first two years Mathematics 12, 21, or 13, 22a. A course in astronomy or physics is also recommended. For additional preparation for Honors work, see the Honors program.

12. Mathematical Analysis. Trigonometry; analytic geometry; elements of calculus. Prerequisite, three units of mathematics not including trigonometry. *Three hours each semester.* M T W 10, 11; Th F S 9, 10. Mr McCoy, Mr Johnson, Mrs Whitehead.

NOTE.—Credit will be given for the first semester, if it is followed in the same year by Astronomy 24b.

13. Analytic Geometry, Differential Calculus. Prerequisite, at least three units of mathematics including trigonometry. *Three hours each semester.* M T W 3, Th F S 10. Mr McCoy, Mrs Whitehead.

14. An Introduction to the Basis of Mathematical Thinking. Prerequisite, two or three units of mathematics. Not open to students who have taken 12 or 13. *Three hours each semester.* M T W 12. Miss O'Neill.

21. Differential and Integral Calculus. A continuation of 12. Prerequisite, 12. *Three hours each semester.* Th F S 10. Miss O'Neill.
- 22a. Differential and Integral Calculus. Equivalent to the second semester of 21. Prerequisite, 13. *Three hours.* M T W 11. Mr McCoy.
- 24b. Intermediate Calculus. Partial derivatives, multiple integrals with applications to physical problems, infinite series. Prerequisite, 21 or 22a. *Three hours.* M T W 11. Mr McCoy.
- [31a. Differential Equations. Solution and application of ordinary differential equations. Prerequisite, 21 or 22a. *Three hours.* M T W 10. Mr Johnson.]
- [32b. Foundations of Geometry. An introduction to the axiomatic study of Euclidean and non-Euclidean geometry and to certain concepts in topology. Prerequisite, three semester hours of mathematics above Grade I or by permission of the instructor. *Three hours.* Th 2-4 F 2.]
- 33a, 33b. Higher Algebra. Topics from the theory of equations, and an introduction to modern abstract algebra. 33a for students who have passed or are taking 21 or 22a; prerequisite for 33b, 33a. *Three hours.* Th F S 11. Mr Johnson.
- [34a. Projective Geometry. Prerequisite, 12 or 13. *Three hours.* M 2-4 T 2.]
- 35b. Theory of Numbers. Properties of integers including divisibility, theory of congruences, primitive roots, theorems of Fermat and Wilson. Prerequisite, three semester hours of Grade III in mathematics or by permission of the instructor. *Three hours.* M T W 10. Mr McCoy.
- 36a. Infinite Series. Prerequisite, 21 or 22a. *Three hours.* M T W 9. Mrs Whitehead.
- [38b. Solid Analytic Geometry. For students who have passed 21 or 22a or are taking 21. *Three hours.* M T W 10.]
- [40b. Seminar. †*Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in mathematics. †*Two or three hours.*
43. Advanced Calculus. A study of functions of two or more variables. Prerequisite, 21 or 22a. *Three hours each semester.* M T W 11. Miss O'Neill.
- [48a, 48b. Honors paper, review, and co-ordination. For Seniors. †*Three hours.*]
- 50, 50a, 50b. Research and Thesis. *Three or six hours.*
- 52a, 52b. Special studies in topology and analysis, including functions of a real variable and functions of a complex variable. †*One hour or more.*
- 53a, 53b. Special studies in modern geometry. †*One hour or more.*
- 54a, 54b. Special studies in algebra, including theory of numbers, theory of groups, matrices and determinants, and modern algebraic theories. †*One hour or more.*
- Adviser of graduate study: Mr Johnson.

THE MAJOR

Advisers: Mr McCoy, Miss O'Neill.

Based on 12 or 13.

Essential Courses: 21 or 22a, 40b, and other courses in mathematics, making a total of twenty-one semester hours, of which at least twelve must be above Grade II.

Optional Courses: other courses in mathematics.

Astronomy, courses above Grade I except 26a or b.

Physics, courses above Grade I.

Economics 38; Chemistry 43; Philosophy 21a or b, 31b.

HONORS

Director: Miss O'Neill.

Prerequisites: 12 and 21 or 13 and 22a. A course in astronomy or physics is recommended, and a reading knowledge of German or French.

Program:

Essential Courses: 43, 48a, 48b.

Optional Courses: other courses in mathematics or courses in related fields chosen in consultation with the director.

Examinations: one will cover the common background of all majors, two will test the field of specialization.

MUSIC

PROFESSORS:

ARTHUR WARE LOCKE, A.M.

LELAND HALL, M.A., *Chairman*

JOHN WOODS DUKE

SOLON ROBINSON

DORIS SILBERT, A.M.

ALVIN DERAUD ETTLER, MUS.B.

WILLIAM ALLAN NEILSON

RESEARCH PROFESSOR:

ALFRED EINSTEIN, DR. PHIL.

ASSOCIATE PROFESSORS:

RAYMOND PUTMAN

WILLIAM BEAUMONT SCATCHARD, B.MUS., B.S.

BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO

MARION DE RONDE, A.B.

GERTRUDE PARKER SMITH, A.M.

LOUISE ROOD, A.M.

ANNA HAMLIN

IDA DECK HAIGH

ASSISTANT PROFESSOR:

DIRECTOR OF CHORAL

MUSIC:

IVA DEE HIATT, M.A.

INSTRUCTORS:

JOHN KENNEDY HANKS, B.S.

ROBERT STANLEY SWAN, MUS.B.

TEACHING FELLOWS:

OLGA GRATCH, MUS.B.

M. RITA PANGBORN, B.S. IN ED.

JOY KATHLEEN FLEMING, A.B.

LEAH LEISMAN, A.B.

CURATOR:

RUTH MARGARET AGNEW, M.A.

The courses in music which may be taken to fulfill the distribution requirement in Group B are 13, 23. However, if a student is considering a major in the Department 13 is not advised.

Music 320, 321a, and 46, combined with practical music and certain courses in education, are necessary for teaching music in schools. Students should consult Mrs Scatchard or Miss Rees as early as possible in the college course.

A. Study of Composition

11. Introduction to Composition: melodic, rhythmic, and harmonic materials. Four class hours. *Two hours each semester.* M T W 9, 11; W Th F 3; Th F S 10, 11; one period of sight singing and keyboard harmony to be arranged. Miss Silbert (*Director*), Miss Smith, Miss Rood, Mr Swan.
21. Continued study of harmonic materials and an introduction to counterpoint. Prerequisite, 11 or its equivalent. *Two hours each semester.* M T 10, Th F 11. Mr Etler, Miss Smith.
- 31a. Tonal Organization in Musical Form. Introduction to forms based on thematic organization. Prerequisite, 21 or its equivalent. *Three hours.* M T W 11. Miss Smith.
- 31b. Larger Tonal and Thematic Forms. Prerequisite, 31a. *Three hours.* M T W 11. Miss Smith.
33. Composition in Small Forms. Prerequisite, 21 or its equivalent. *Three hours each semester.* M T W 12. Mr Etler.
42. Composition for Small Instrumental Groups. Prerequisite, 33. †*Three hours each semester.* Mr Etler.
- 53a. Precedents for Contemporary Procedures. †*Three hours.* Mr Etler.

B. Study of Musical Literature

Unless otherwise stated the prerequisite for Grade III courses in this Division is 23.

13. Listeners' Course. Observation of the elements of music and of musical composition. No previous training in music is required. This course may not be taken as the theory requirement by students receiving credit for practical music. *Three hours each semester.* M T 4 and a third hour to be arranged for sections. Mr Hall, Miss Rood.
23. General History of Music. Prerequisite, 13, 11, or the equivalent. *Three hours each semester.* W Th F 3. Miss Silbert.
- 35a. Symphonic Developments in the Nineteenth Century. *Three hours.* W Th F 3. Miss Rood.
- 35b. Verdi and Italian Opera. *Three hours.* W Th F 3. Mr Hall.
- 36a. Wagner. Prerequisites, 11 and 23. *Three hours.* M T W 10. Mr Locke.
- 36b. Modern Music. Prerequisites, 11 and 23. *Three hours.* M T W 10. Mr Locke.
- 38a. Haydn and Mozart. Offered in alternate years. *Three hours.* M T W 9. Miss Silbert.
- [310b (310a). Beethoven. *Three hours.* M T W 9. Mr Locke.]
- [311a (311b). Chamber Music of Schubert, Schumann, and Brahms. Offered in alternate years. †*Three hours.* Miss De Ronde.]

- 311b (311a). Chamber Music of Beethoven. Offered in alternate years. †*Three hours*. Miss De Ronde.
- 313a. Studies in Pianoforte Music. Prerequisites, 23 and 222. *Three hours*. M T W 12. Mr Hall.
- 318b. Music in America. The rise of a popular and a serious musical culture in America. *Three hours*. M T W 12. Members of the Department. Director, Miss Silbert.
- 43b. Secular Song before 1650. †*Three hours*. Miss Smith.
- 44b (44a). Studies in the Criticism of Music: various aspects as represented in important literary works. Two class hours. †*Three hours*. Mr Einstein and Miss Silbert.
- 54b. Studies in Eighteenth-Century Opera Buffa. †*Three hours*. Mr Hall.
- 55a (55). Bach. †*Three hours*. Mr Locke.
56. Selected Topics in Musicology. Required of all candidates for the Master's degree in music. Mr Einstein.

C. Music Pedagogy

320. Elementary School Music. Music education from preschool through sixth grade. For students who have passed 11 and have passed or are taking 23. Students must pass a simple preliminary test in sight reading. *Two hours each semester*. M T 2. Mrs Scatchard.
- 321a, 321b. Choral Conducting. Fundamentals of conducting; study of various styles of choral music suitable for school and amateur groups. Prerequisite for 321b, 321a. Offered in alternate years. Two class hours. *One hour*. T 4-6. Mrs Scatchard.
46. Advanced School Music. Music in junior and senior high schools. *Three hours each semester*. M T 3 and one hour of observation and participation to be arranged. Mrs Scatchard.
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- [40b. Synoptic Course, to correlate the various approaches to the study of music: analytic, historical, critical. Required of Senior music majors. †*Three hours*.]
- 41, 41a, 41b. Special studies in the theory and literature of music. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in music. †*Two or three hours*.
- 50, 50a, 50b. Research and Thesis. *Three or six hours*.
- 51, 51a, 51b. Advanced studies arranged on consultation with the Department. †*One hour or more*.
- Adviser of graduate study: Mr Locke.

D. Practical Music

Undergraduate and graduate courses are offered in the following branches of practical music: piano, violin, viola, violoncello, organ, voice, and instrumental ensemble. These courses may be elected by properly qualified students, and are given credit toward the degree of Bachelor of Arts and Master of Arts. There are fees for all courses in practical music except ensemble courses involving the co-

operation of two or more students, and for the use of practice rooms, which are listed on page 44.

Courses in practical music, except those in instrumental ensemble, will require one lesson of one hour or two lessons of half an hour each. Courses of Grades I and II require six hours of practice per week and count for *two hours each semester*. The normal course above Grade II will require nine hours of practice and will count for *three hours*. Qualified students may divide the course combining two hours credit in one instrument with one hour in a related one or in ensemble. Graduate students and Seniors taking 343, 444, 545 may, with permission of the instructor, devote the third hour to a study of methods of teaching breath control, tone production, and diction. A two-hour course will be available to nonmajors. If additional instruction is received there will be an added charge. Courses in instrumental ensemble require one lesson of one hour and three hours of practice per week and count for *one hour each semester*.

Students taking practical music (Division D) to be counted for credit toward graduation must take at least an equal number of hours from Division A, B, or C (except 13), and the hours in practical music may not be counted unless this equivalent number of hours has been passed.

Any course in practical music and its accompanying course in Divisions A, B, or C may be counted together as one in the required number of three-hour courses, but each course will receive its full credit.

No student in practical music will be admitted to a course above Grade II who has received a mark lower than C in the previous course in the same branch.

Before registering for any course in practical music the student must show evidence of her ability in a test given by members of the Department at the College during the days just previous to the opening of the first semester and in May. These tests are based on the following requirements:

PIANO. The candidate will be expected to play three pieces representing different styles in piano literature, preferably selected from the following groups, but substitutes may be presented with the approval of the Department. (1) Bach: Little Preludes and Fugues, French Suites, Clavecin Book of Anna Magdalena Bach, Inventions. (2) Clementi: Sonatas or Sonatinas (one movement); one movement from sonatas of Haydn or Mozart, or of Beethoven, op. 2, 10, 14, or 49. (3) Mendelssohn: "Songs without Words"; Schumann: "Kinderszenen"; Chopin: Waltzes, Preludes, Nocturnes, Mazurkas; Schubert: Impromptus, Moments Musicaux; Grieg: "Lyric Pieces"; Field: Nocturnes; MacDowell: "Woodland Sketches," "Sea Pieces."

ORGAN. The examination for admission to organ courses is identical with that for entrance to piano courses as stated above.

VOICE. The candidate will be expected (1) to sing three songs, (2) to pass a simple test in sight reading. She will be judged on her pitch, rhythm, musical intelligence, and feeling.

VIOLIN, VIOLA, VIOLONCELLO. Candidates will be accepted at every stage of proficiency. Those applying for scholarships in these courses will be required to play a piece of their own choice.

Piano

Mr Locke, Mr Duke, Mr Robinson, Mr Putman, Miss del Vecchio, Mrs Haigh.

121. Major and minor scales; Hanon; studies of the grade of Czerny, op. 299; Bach, Two-Part Inventions, Little Preludes and Fugues; sonatas of the grade of the Mozart in G; shorter compositions.

222. Technical studies; Bach, Three-Part Inventions or French Suites; sonatas of the grade of Beethoven, op. 14, no. 1; shorter romantic compositions.
323. Technical studies; Bach, English Suites, Partitas, or Preludes and Fugues from the Well-Tempered Clavichord; sonatas of the grade of Beethoven, op. 26; pieces from romantic and modern schools.
424. Preparation of a program of not less than one-half hour, including one long work.
525. Advanced work for students who have passed 424.

Organ

Mr Swan.

232. Manual and pedal technique; Bach, eight short preludes and fugues, selected Chorale-Preludes from Vol. V, Peter's ed.; short pieces involving fundamental principles of registration. Prerequisite, 121 or its equivalent.
333. Bach, Prelude and Fugue in C minor, Toccata and Fugue in D minor; Mendelssohn, second sonata; shorter pieces for use in church service. Accompanying of hymns, anthems, and chants.
434. Bach, Preludes and Fugues in E-flat and D major; old masters of the organ; selected compositions of Widor, Franck, Reger. Complete church service playing.
535. Advanced study for students who have passed 434.

Voice

Miss Hamlin, Mr Hanks.

141. Exercises in breathing and tone placement. Vocal studies of Vaccai, Lütgen, or Concone. Italian songs of Pergolese, Caccini, etc. Freshmen are strongly urged to take Italian in conjunction with this course.
242. Studies of Marchesi or Concone. Songs and arias of Mozart, Handel, Haydn, Bellini, Rossini, and old English airs.
- A knowledge of German and French is advisable for students electing 343 and 444.
343. Studies of Marchesi and Panofka. Continued study of classic repertoire and beginning study of German lieder and songs of Fauré or Debussy.
444. Studies of Marchesi. Standard German and French repertoire, opera arias of Verdi, contemporary songs.
545. Advanced work for students who have passed 444.

Violin

Miss Rood.

- 151, 252, 353, 454, 555. Study of technique and representative literature.

Viola

Miss Rood.

- 161, 262, 363, 464, 565. Study of technique and representative literature.

Violoncello

Miss De Ronde.

- 171, 272, 373, 474, 575. Study of technique and representative literature.

Instrumental Ensemble

These courses are open to qualified students of violin, viola, violoncello, and piano.

String Ensembles

Miss De Ronde.

181, 282, 383, 484, 585.

Ensemble with Piano

Miss De Ronde and members of the Department.

292a and b, 393a and b, 494a and b, 595a and b.

NOTE.—These courses are of three kinds: sonatas for piano and violin, viola, or violoncello (two students); other combinations of piano and strings; individual work for pianist with instructor for which a fee is charged.

THE MAJOR

Advisers: Miss Silbert, Miss Smith.

Based on 11.

Essential Courses: 21, 23, 31a, 40b, and five semester hours of music above Grade II.

Optional Courses: closely related courses.

Honors

Director: Miss Rood.

Prerequisites: 11, 21, 23.

Program: students will fulfill the requirements of the major, present a paper or composition counting for three to six semester hours, and will take a minimum of nine semester hours in other departments. Apart from these requirements the program will be planned with the director to meet individual needs.

Examinations: one general comprehensive; one involving critical analysis on a limited field of concentration in literature or composition; one oral.

PHILOSOPHY

PROFESSORS:

†MARY EVELYN CLARKE, PH.D.
EDGAR WIND, PH.D.

VISITING PROFESSOR:

OETS KOLK BOUWSMA, PH.D.

ASSOCIATE PROFESSORS:

ALICE AMBROSE LAZEROWITZ, PH.D., *Chairman*
MORRIS LAZEROWITZ, PH.D.
DOROTHY WALSH, PH.D.

VISITING LECTURER:

‡ROGER WELLINGTON HOLMES, PH.D.

INSTRUCTOR:

MARIE CHRISTODOULOU, M.A.

The courses in philosophy which may be taken to fulfill the distribution requirement in Group C are 11, 22, 24, 33.

11. Introduction to Philosophy. Reading and discussion of some of the most important classic and modern philosophical works, to introduce the student to such topics as the relation of mind and body, sources of knowledge, freedom and determinism, nature and status of ideals. *Three hours each semester.* M T W 9, 10; Th F S 11, 12. Mrs Lazerowitz, Miss Christodoulou.

21a. Logic. Introductory course, including study of common fallacies in reasoning, theory of the syllogism, and some modern developments. The course is intended to train the ordinary student in effective use of principles of correct thinking. *Three hours.* Th F S 9. Mrs Lazerowitz,

22. Ethics. The outstanding moral theories of classical and modern times, with applications to practical problems. Reading will include literature of the Epicureans and Stoics, Aristotle, Kant, Bentham, Mill, Nietzsche, G. E. Moore. *Three hours each semester.* Th F S 11. Mr Bouwsma.
24. History of Philosophy from Thales to Kant. Introduction to philosophy, with emphasis on its historical development. The course should be of use also to students majoring in other fields who wish to obtain an acquaintance with the history of ideas. *Three hours each semester.* M T W 3; Th F S 9, 10, 11, 12. Mr Bouwsma, Mr Lazerowitz, Miss Walsh, Mr Holmes, Miss Christodoulou.
- 31b. Advanced Logic. Postulate sets. The system of *Principia Mathematica*: general propositions; definite descriptions; classes and the theory of types. Prerequisite, 21a or b. †*Three hours.* Mrs Lazerowitz.
- 32a. Metaphysics and Science. Development of a new technique for the solution of philosophical problems. Its application to a selection of metaphysical theories which closely resemble scientific theories: theories of time, space, substance, causality and freedom, universals, a priori propositions. Prerequisite, six semester hours in philosophy. *Three hours.* Th 4-6 F 4. Mr Lazerowitz.
- 32b. Epistemology. General explanation of a new technique for the solution of philosophical problems. Its application to epistemological and closely related problems: our knowledge of the external world, other minds, the mind-body problem, rationalism and empiricism. Prerequisite, six semester hours in philosophy. Th 4-6 F 4. *Three hours.* Mr Lazerowitz.
33. Aesthetics. Persistent general convictions and the views of representative philosophers as to the nature and value of beauty and its expression in literature, music, and the plastic arts. *Three hours each semester.* Th F S 9. Miss Walsh.
- 36a. Plato: a systematic and historical study of the chief dialogues. Prerequisites, 11 or 24 and at least three more semester hours in philosophy. *Three hours.* M 4-6 T 4. Mr Wind.
- [36b. The Platonic Tradition: a study of Neoplatonism, beginning with Plotinus and Proclus, leading to Marsilio Ficino and Pico della Mirandola, and ending with the Cambridge Platonists. Prerequisite, 36a. †*Three hours.* Mr Wind.]
- 37b. Hegel and Hegelianism. A historical and critical study of Hegel, the man and his doctrine, his rivals, followers, and opponents. Prerequisite, 24. *Three hours.* M 4-6 T 4. Mr Wind.
- [38a (38b). Oriental Philosophy. Philosophical bases of Hinduism, Buddhism, and the metaphysical systems into which they developed. Prerequisite, six semester hours in philosophy. *Three hours.* W Th F 3. Miss Clarke.]
- 310b. American Philosophy. Philosophical ideas of Edwards, Emerson, Royce, James, Dewey, and others, with attention to the connection of these ideas with current religious, political, and moral views. *Three hours.* Th F S 10. Mr Bouwsma.
311. Recent and Contemporary Philosophy. William James; Bergson; Whitehead; Bertrand Russell; G. E. Moore; Santayana. Prerequisites, 24 and at least three more semester hours in philosophy. *Three hours each semester.* W Th F 2. First semester, Mr Bouwsma; second semester, Miss Walsh.

[40b. Review Unit. †*Three hours.*]

41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in philosophy. †*Two or three hours.*

45b (45a). Kant: a study of the *Critique of Pure Reason* and readings from the *Critique of Practical Reason*, with consideration of their influence on later philosophy. For qualified students by permission of the instructor. †Two class hours. *Three hours.* Mr Wind.

50, 50a, 50b. Research and Thesis. *Three or six hours.*

51, 51a, 51b. Advanced studies arranged individually. †*Three hours.*

[53. A Systematic Study of Aesthetic Theory. †*Three hours each semester.* Miss Walsh.]

55a. Topics in Logical Theory, with special reference to foundations of mathematics. †*Three hours.* Mrs Lazerowitz.

[56b. Contemporary Ethics. †*Three hours.* Miss Clarke.]

Adviser of graduate study: Mrs Lazerowitz.

THE MAJOR

Advisers: Mr Lazerowitz, Miss Walsh.

Based on six semester hours in philosophy.

Essential Courses: twenty-one semester hours in philosophy, including 24 (unless used as the basis of the major) and 40b.

Optional Courses: related courses in other departments.

Honors

Director: Miss Walsh.

Prerequisites: any year course in philosophy of Grade I or Grade II; in addition 21a or b and Psychology 11 or 12 are advised. For other prerequisites for specific programs the director should be consulted.

Program: three hours on the preparation of a paper and three on review; the remaining hours divided between work in philosophy and in some related department, with the major portion of the work in philosophy including normally at least two units.

Examinations: one on philosophical systems and history of philosophy; one on value theories and methodology; one on work done in related departments.

Units

Aesthetics. *Six hours. First semester,* Miss Walsh.

Seventeenth and Eighteenth Century British Philosophy. *Three hours. Second semester,* Miss Clarke.

Logic. *Three hours. First semester,* Mrs Lazerowitz.

Ethics. *Six hours. First semester,* Miss Clarke.

These units will ordinarily be offered in alternate years.

PHYSICAL EDUCATION

PROFESSOR:	DOROTHY SEARS AINSWORTH, PH.D., Director
ASSOCIATE PROFESSORS:	GERTRUDE GOSS FLORENCE MARIE RYDER, M.S. HELEN LOUISE RUSSELL, PH.D., Assistant Director
ASSISTANT PROFESSORS:	EVELYN F. JENNINGS, B.S. ANNE LEE DELANO, A.M. LILLIAN M. MANCINI, A.M. PATRICIA URNER, A.M.
LECTURER:	RUTH EVANS, A.M., M.P.E.
INSTRUCTORS:	ETTIE LEN TOY CHIN, A.M. RUTH ARLENE SWEZEY, B.S. RITA MAY BENSON, M.S. IN H.P.E. MARGARET ANN THORSEN, M.S. IN H.P.E. RUTH BUCHANAN EDDY, M.S. IN PHY.ED. MARTHA COLEMAN MYERS, B.S. CARYL MIRIAM NEWHOF, B.S. IN PHY.ED. EDITH BETTS, B.S. JEAN KELSEY CAMPBELL, B.S. ELFRIEDE JOHANNA SMOLA, LEHRAMTSPRÜFUNG GRIETA VORSTER VAN DER WALT, B.A.

Physical Education 1a and b and 2a and b are required of all students in the first two years, the type of work being adjusted to the needs and conditions of individual students. Continuous failure in these courses due to lack of interest or to unexcused absences may result in the student's being requested by the President to withdraw from college.

All students who are in physical education classes or use the gymnasium are required to buy uniform suits and shoes.

The Athletic Association, open to all members of the College, is under the direction of this Department.

A. Physical Education

Requirements

1a, 1b. Body Mechanics, Dance, and Sports.¹ Three periods of one hour each. Required for Freshmen.

Fall Term. One period, body mechanics; two periods, swimming for those who have not passed the test, for others a choice of the following:

Archery, canoeing, crew, golf, hockey, riding, soccer, swimming, tennis, volleyball.

Individual Gymnastics. Miss Ryder, Miss Eddy.

The Dance, modern and folk. Miss Urner, Miss Swezey, Mrs Myers.

Winter Term. One period, fundamental movement; two periods, a choice of Badminton, basket ball, bowling, children's games, fencing, riding, squash, swimming, winter sports.

Individual Gymnastics. Miss Ryder, Miss Jennings, Miss Thorsen, Miss Eddy.

The Dance, continuing the fall course and new sections. Miss Urner, Miss Swezey, Mrs Myers.

¹ A fee is charged for golf, riding, campcraft, and winter sports.

Spring Term. One period, rhythmic work or body mechanics; two periods, beginning swimming for those who have not passed the test, for others a choice of

Archery, campcraft, canoeing, children's rhythms, crew, golf, lacrosse, riding, softball, swimming, tennis, volleyball.

Individual Gymnastics. Miss Ryder, Miss Eddy.

The Dance, continuing the fall and winter courses and new sections. Miss Urner, Mrs Myers.

2a, 2b. Dance and Sports. Three periods of one hour each. Required for Sophomores.

Each term a choice of sports and dance as listed under the corresponding term for 1a and b.

A health consultation is required for Juniors and Seniors, and any student who is falling below a standard which for her is reasonable must take work under the direction of the Department as follows:

3a, 3b. Required for these Juniors.

4a, 4b. Required for these Seniors.

Elective Classes and Sports

Juniors and Seniors may elect work in any class listed above or in the upper-class sports sections.

In addition there are week-end trips to the cabins under the auspices of the Outing Club, riding trips under the Riding Club, and open-hour swimming at the pool.

Courts and other equipment are available to all students when not being used by classes.

B. Course in the Training of Teachers of Physical Education

This course is open to students of Smith College and to graduates of other colleges of approved standing. Students entering it will be given the opportunity to specialize in one of four fields: corrective physical education, the dance, recreation (physical education in relation to community service and clubs), sports (in relation to schools and colleges).

The course has as its basic plan classes in science and education as well as physical education. Smith College students may take the majority of the scientific and educational courses as undergraduates and in so doing will be able to fulfill the requirements for the diploma in one year after graduation.

Properly qualified students from Smith and other colleges may become candidates for the degree of Master of Science in Physical Education (M.S. in Phy. Ed.). Six semester hours of zoology, six hours of education, and six hours in one of the following: bacteriology, chemistry, experimental psychology, mathematics, nutrition, physics, zoology should be offered as prerequisites. Students who have satisfactorily completed the courses equivalent to those leading to the diploma may become candidates for the degree in the first year. Other students would normally become candidates in the second year.

It is possible also for properly qualified students to become candidates for the degree of Master of Arts (A.M.) or Master of Education (Ed.M.).

Students who wish to enter the course should present a written statement from a physician that they are in good physical condition and able to undertake a course

in physical education. For further information write to Miss Ainsworth, Scott Gymnasium, for the special booklet describing the course.

33a, 33b. Corrective Physical Education. The basic teaching material of preventive and corrective phases of physical education as applied to individual developmental needs. *Three hours.* M T W 12. Miss Ryder.

42a, 42b. Elementary material for the teaching of physical education, including the dance, recreation, and sports. Required in the first year of students entering from other colleges who have not fulfilled the requirement elsewhere. Open to undergraduates only by permission of the Director of Physical Education. Prerequisite for 42b, 42a. Two lectures, six hours of practice. †*Three hours.* Members of the Department.

43a, 43b. The Physiology and Anatomy of Movement. An analytical study of human motor activity. Prerequisites, Zoology 12 and permission of the Director of Physical Education. Two lectures and four hours of laboratory. *Three hours.* Lec. Th F 11; Lab. Th F 9-11. Miss Ryder.

50, 50a, 50b. Research and Thesis. *Three or six hours.* Director, Miss Russell.

51a, 51b. Special Studies. †*Three hours.* Members of the Department.

52. Continuation of 42a and b, covering advanced material for the teaching of physical education, with opportunity for the student to specialize in corrective gymnastics, the dance, recreation, or sports. Theory, two hours; practice, six hours. †*Three hours each semester.* Members of the Department.

53a, 53b. Gymnastics and Fundamental Movement. Theory, one hour; practice, two hours. †*One hour.* Miss Ainsworth, Miss Ryder, Miss Mancini.

54a or b. Elementary Measurement in Physical Education. †*Three hours.* Miss Russell.

55a. History and Principles of Physical Education. †*Three hours.* Miss Ainsworth.

55b. Organization and Administration of Physical Education. †*Three hours.* Miss Ainsworth.

56a, 56b. Directed Practice in the Teaching of Physical Education. One lecture; two practice periods. †*Three hours each semester.* Miss Mancini.

57a or b. Advanced Measurement in Physical Education: history and methods of testing. Use of statistics and study of special problems. †*Three hours.* Miss Russell.

Hygiene 53a. Health Education. Required of all students for the diploma.

Hygiene 54a. Advanced Health Education.

PHYSICS

PROFESSORS:	GLADYS AMELIA ANSLOW, PH.D. NORA MAY MOHLER, PH.D., <i>Chairman</i>
ASSISTANT PROFESSORS:	LILLY LORENTZ, PH.D. WILLIAM TAUSSIG SCOTT, PH.D.
LECTURER:	DOROTHY WRINCH, D.SC.
INSTRUCTOR:	ELIZABETH THOMPSON BUNCE, A.M.
TEACHING FELLOWS:	ANITA GORE, A.B. ANN IRENE KILBRIDE, A.B.
RESEARCH FELLOWS:	RUTH CULLEN SHEA, B.S. HELEN MIRIAM HAGELBARGER, A.B.

The courses in physics which may be taken to fulfill the distribution requirement in Group F are Physical Science 193 or 194, Physics 11, 12, or six hours from 23a or 24a and 25b or 26b.

Students who enter with a unit of physics may elect either course in Physical Science, Physics 11 or 12, or in special cases a Grade II course. They should if possible consult a member of the Department concerning their elections in physics.

It is important for students majoring in physics to be well prepared in mathematics so that those who are planning for this should offer three units in mathematics for entrance and if possible take mathematics through calculus before the Junior year. Work in chemistry is also strongly advised.

11. Fundamentals of Physics. An introduction to the laws and properties of matter, sound, light, heat, and electricity. Lecture and discussion, three hours; laboratory, two hours. *Three hours each semester.* Lec. and discussion M T W 11, 12; Lab. M, Th, F 2, F 9, 11. Miss Mohler, Miss Lorentz, Miss Bunce, Miss Gore, Miss Kilbride.
12. Fundamentals of Physics for premedical students. The lectures are the same as in 11; in the laboratory sections applications of the subject to biological and medical problems are stressed. Lec. and discussion, three hours; laboratory, two periods of two hours each. *Four hours each semester.* Lec. and discussion M T W 11, 12; Lab. T W 2. Miss Mohler, Miss Lorentz, Miss Bunce.
- 23a. Light. Nature of light; reflection, refraction, interference, diffraction, polarization. Prerequisite, six hours in physics or Physical Science 193. Two lectures and one laboratory period of two and one-half hours. *Three hours.* Lec. M T 10; Lab. T 2. Miss Anslow, Miss Gore.
- [23b. Optics, Photography, and Color. The optics of the camera, telescope, microscope, and the eye; photography; the physics of color, color vision, and color photography. Prerequisite, 11, 12, 21, or 23a. Two lectures and one laboratory period of two and one-half hours. Offered in alternate years. *Three hours.* M T 10 M 2. Miss Mohler.]
- 24a. Electricity. Direct current, electrical circuits, and instruments, with an introduction to alternating current devices and to electronics. Prerequisite, six hours of physics or Physical Science 193. Two lectures and one two-and-one-half-hour laboratory period. *Three hours.* Lec. Th F 11; Lab. Th 2. Miss Mohler, Miss Bunce.
- 25b. Mechanics and Heat. Lectures on basic principles of dynamics, statics, temperature, heat, laws of gases, and change of state. Selected experiments in

mechanics and heat that emphasize precision methods, useful laboratory techniques, and the handling of simple shop tools. Prerequisite, six hours of physics or Physical Science 193. One lecture and two two-and-one-half-hour laboratory periods. *Three hours.* Lec. Th 11; Lab. Th F 2. Mr Scott, Miss Gore.

26b. Musical Acoustics. An introduction to the study of sound, particularly as it applies to musical instruments and hearing. Lecture and demonstration. Offered in alternate years. *Three hours.* M T W 10. Miss Lorentz.

31a, 31b. Electronics and Atomic Physics Laboratory. A semester of experiments in electronics leading to some independent work; one hour of lecture. Prerequisites, 21 or 24a and Mathematics 21 or 22a which may be taken concurrently. This may be followed by a semester of experiments in modern physics and some related fields. Two three-hour laboratory periods. *Three hours.* Th F 2. Miss Lorentz, Miss Gore.

33a. The Nucleus. An introduction to radioactivity, elementary particles, cosmic rays, and nuclear energy. Prerequisites, six hours of Grade II in physics or, by permission of the instructor, 11, 12, or Physical Science 193, and Mathematics 21 or 22a (may be taken at the same time). *Three hours.* Th F S 9. Miss Mohler.

33b. Atomic Physics. The structure of the atom and the nature of radiation. Prerequisite, 33a. *Three hours.* Th F S 9. Miss Mohler.

36b. Spectroscopy. Spectroscopic methods and instruments. Analysis and theory of atomic spectra; molecular spectra and structure problems. Prerequisite, 23a. Lectures, two hours; laboratory, three hours. Offered in alternate years. *Three hours.* Lec. M T 10; Lab. T 2. Miss Anslow.

[40b. The Relation of Classical and Modern Physics. †*Three hours.*]

41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in physics. †*Two or three hours.*

42 (34). Advanced Electricity and Magnetism. Static and dynamic electricity, direct and alternating currents, magnetism and electromagnetic fields, and electronic circuits. Lectures and problems. Prerequisites, 21 or 24a and Mathematics 21 or 22a. †*Three hours each semester.* Mr Scott.

43a, 43b. Principles of Mathematical Physics. Introduction to mathematical physics; discussion of mechanics in the first semester; of heat, statistical mechanics, and the electromagnetic field in the second. Prerequisite for 43a, 11 or 12 and Mathematics 21 or 22a; for 43b, 43a. †*Three hours.* Miss Lorentz.

44b. The Relation of Classical and Modern Physics. Discussion of the development of such general laws as the conservation of energy and the law of gravitation; the relation between Newtonian mechanics and relativity; the wave properties of particles and the particle properties of waves; present attitudes toward theories and models. Discussion and reports. For Seniors only. †One two-hour period. *Three hours.* Miss Mohler with members of the Department.

50, 50a, 50b. Research and Thesis. *Three or six hours.*

51a, 51b. Special topics in such fields as sound, light, electricity and magnetism, thermodynamics, and kinetic theory. †*Two hours or more.*

52a, 52b. Selected problems assigned for investigation, experimental work, and discussion. †*Three hours or more*. Members of the Department.

53a, 53b. Classical Theoretical Physics. †*Three hours*.

54a. Introduction to Quantum Mechanics. †*Three hours*. Mr Scott.

55b. Seminar in Nuclear Physics. †*Two hours or more*.

59b. Structure of Large Molecules. Physics, chemistry, and geometry of biologically active molecules. †*One hour or more*. Miss Wrinch.

Adviser of graduate study: Miss Anslow.

THE MAJOR

Advisers: Miss Mohler, Miss Lorentz.

Based on 11, 12, six hours of Grade II, or, by permission of the Department, on Physical Science 193.

Essential Courses: 40b, at least one semester of 31a, 31b; Mathematics 21 or 22a.

Students may count within the twenty-one hours in courses of Grade III or higher six hours in courses of the same Grade in mathematics.

Optional Courses: other courses in physics and mathematics above Grade I and courses in astronomy, chemistry, and geology.

In addition to the essential courses, each student is expected to receive instruction in shop techniques in a two-hour period for one semester.

Honors

Director: Mr Scott.

Prerequisites: one year of college physics, Mathematics 12 or 13, *and* six hours of Grade II in physics or Mathematics 21 or 22a. One or two other courses in mathematics, physics, or chemistry, and a reading knowledge of French and German are advised.

Program:

Essential Courses: 33a and b and the Honors paper. Mathematics 21 or 22a if not already taken.

Optional Courses: other physics courses above Grade II; advanced courses in other sciences chosen in consultation with the director; a review unit.

Examinations: written examinations covering theoretical and experimental phases of the subject in classical physics, modern physics, and in the field of specialization.

PSYCHOLOGY

PROFESSORS:	WILLIAM SENTMAN TAYLOR, PH.D., <i>Chairman</i> HAROLD EDWARD ISRAEL, PH.D.
ASSOCIATE PROFESSORS:	ELSA MARGAREETA SIIPOLA, PH.D. †ANNELIES ARGELANDER ROSE, PH.D.
ASSISTANT PROFESSORS:	MIRIAM EUGENIA CROWLEY, PH.D. IRVING EDWARD SIGEL, A.M.
INSTRUCTORS:	MIRIAM WALDRON BRAINARD, A.M. MIRIAM ILGOVSKY LEVETON, A.M. LOIS JEAN CARL, PH.D.
TEACHING FELLOWS:	PRISCILLA ELIZABETH DATTMAN, A.B. VIVIAN DECKER TAYLOR, B.A.

The courses in psychology which may be taken to fulfill the distribution requirement in Group G are 11, 12. If a student is considering a major in the Department 11 is advised.

Students who plan to enter social work should consult their major advisers regarding desirable courses.

11. General Psychology. Systematic treatment of the characteristics of human nature. Application of fundamental principles to problems in motivation, learning, perception, thinking, and personality. Laboratory work is designed to provide experimental verification and illustration of facts and theories. Not open to students who have taken or are taking an introductory course in psychology. Two lectures, one recitation, and one two-hour laboratory period. *Three hours each semester.* Lec. M T 12. Rec. W 12, 2; Th 10, 11; F 10, 11, 2. Lab. W, Th 9, 11, 2; F 9, 11. Mr Israel, Miss Siipola, Mr Sigel, Mrs Brainard, Mrs Leveton, Miss Dattman, Miss Taylor.

12. General Psychology. Outline of the field and methods of psychology; basic facts and theories, including such topics as motivation, learning, perception, thinking, and personality. Not open to students who have taken or are taking an introductory course in psychology. *Three hours each semester.* M T W 9, 10; Th F S 9. Mr Taylor, Miss Crowley, Mr Sigel, Miss Carl.

21. Introductory Experimental Psychology. For students who have had an introductory nonlaboratory course in psychology. Two hours of laboratory. Two hours (M T 12) of lecture may be required of advanced standing students. *One hour each semester.* T 2-4. Miss Siipola.

24a. Child Psychology. Mental development of the child from birth to puberty. Prerequisite, 11 or 12. *Three hours.* Lec. Th F 11; Rec. F 12, S 11. Miss Carl.

24b. Psychology of Adolescence. Mental development of the adolescent from puberty to maturity. Prerequisite, 11, 12, or by permission of the instructor. *Three hours.* Lec. Th F 11; Rec. F 12, S 11. Miss Carl.

25a. Introduction to Social Psychology. Psychological problems and concepts basic to the social sciences, including such topics as communication, propaganda, social attitudes, rivalry, and co-operation. Prerequisite, 11 or 12. *Three hours.* Th F S 10. Mr Sigel.

25b. The Social Patterning of Behavior. A developmental approach to the problems of social psychology. Prerequisite, 25a or by permission of the instructor. *Three hours.* Th F S 10.]

- [31b. Projects in Experimental Psychology. Investigation of selected experimental problems. Discussion, conferences, and supervised research. Prerequisite, 311b or by permission of the instructor. About six hours of laboratory. *Three hours.* Th F 2-4 and two hours of individual experimentation.]
- 32a. History of Psychology. Origin and development of the principal problems of psychology, with emphasis upon the influences of various schools of psychologists. Prerequisite, six semester hours in psychology. *Three hours.* M T W 10. Mr Israel.
- 32b. Systematic Psychology. Critical examination of the subject matter and concepts of psychology as treated in current systems. Prerequisite, 32a. *Three hours.* M T W 10. Mr Israel.
- 37b. Psychology of Personality. Study of the psychological organization of the adult personality, with emphasis upon individuality rather than generalized human nature. Basic concepts and theories; experimental and clinical techniques of investigation; development of adult personality-structure. Prerequisite, 11 or 12. Open also to Sophomores by permission of the instructor. *Three hours.* W Th F 2. Miss Siipola.
- 38a. Introduction to Mental Measurement. Nature of individual differences and theory and principles of their measurement; theories of intelligence; principles and problems in the construction and interpretation of tests. Prerequisite, 11 or 12. *Three hours.* M T W 9. Miss Crowley.
- 38b. Mental Tests in Clinical Practice. Supervised practice in the giving, scoring, and interpretation of group and individual tests. Analysis of response-patterns of various clinical groups. A minimum of fifteen hours of practice testing during the semester will be required. Prerequisite, 38a. *Three hours.* M T W 9. Miss Crowley.
- [39b. Industrial Psychology. Psychology of employers, employees, and consumers in regard to production, distribution, and consumption. An optional visit to a near-by factory. Prerequisites, 11 or 12 and permission of the instructor. *Three hours.* M T W 12. Mr Taylor.]
- 311b (31a). Survey of Experimental Psychology. Basic experimental evidence and chief techniques of normal human adult psychology. Lectures, demonstrations, and classroom experiments. Prerequisite, 11 or 21. *Three hours.* Th 2-4 F 2. Mr Sigel.
- [40b. Synoptic Course. *Three hours.* Th 4-6.]
- 41a, 41b. Special Studies. Problems not specifically dealt with by other courses in psychology, such as research problems in experimental psychology, advanced psychology of language, special problems in child psychology, and mental tests. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in psychology. †*Two or three hours.*
- [43b. Comparative Psychology (seminar). Evolution of behavior, with emphasis on discrimination, motivation, and modifiability. Reports on special problems such as infrahuman social behavior, the experimental neurosis, inheritance of behavior traits. †*Three hours.*]
- 44b. Child Psychology (seminar). Selected problems, reports, and discussion. Prerequisite, 24a. †*Three hours.* Miss Carl.

- [45a. Social Psychology (seminar). The socializing of the individual considered as a psychological process. Reports and discussion. Prerequisite, 25a and b or by permission of the instructor. †*Three hours.*]
- [45b. Experimental Projects in Social Psychology (seminar). Prerequisite, 25a and b or 31a. †*Three hours.*]
46. Abnormal Psychology and Mental Hygiene. Everyday mental abnormalities and various disorders in relation to psychological theory and application. Two optional visits to near-by hospitals. For Seniors who have passed 11 or 12, and are majoring in psychology, education, sociology, or premedical science, or by permission of the instructor. *Three hours each semester.* M T W 3. Mr Taylor.
- 47a. Psychology of Personality (seminar). Intensive study of projective techniques of investigating personality. Supervised practice with standard techniques. *Three hours.* Th 11-1. Miss Siipola.
- [48b. Visual Perception (seminar). Discussions and projects on the perception of space, form, and movement, with applications to art, photography, motion pictures, and aviation. By permission of the instructor. †*Three hours.*]

Graduate Courses

- 50, 50a, 50b. Research and Thesis. *Three or six hours.*
- 51a, 51b. Advanced Studies. Similar to 41a and b. †*One hour or more.*
- 52a, 52b. Seminar in Current Psychological Problems. Also for Senior Honors students by permission. †*One hour or more.*
56. Abnormal Psychology. Students will be required to attend the lectures in 46. Not open to students who have taken 46. †*Three hours each semester.* Mr Taylor.
- Adviser of graduate study: Mr Israel.

THE MAJOR

Advisers: members of the Department.

Based on 11 or 12. If the major is based on 12, 21 must be taken in Sophomore year, or in Junior year in addition to the major.

Essential Courses: twenty-one semester hours in psychology, including 40b and six hours from 24a, 31a, 31b, 32a, 32b, 43b.

Optional Courses: other courses in psychology and courses in related subjects.

Honors

Director: Miss Siipola.

Prerequisites: 11 or 12 and 21. Courses in zoology, physics, and German are useful as background.

Program: nine hours from 31a, 31b, 32a, 32b, twelve in other psychology courses, and six devoted to a long paper and review; nine additional hours in psychology or related subjects.

Examinations: one in general experimental and theoretical psychology; one on other fields of psychology; one a more specialized type.

RELIGION AND BIBLICAL LITERATURE

PROFESSOR: S. RALPH HARLOW, PH.D.

ASSOCIATE PROFESSORS: **MARGARET BRACKENBURY CROOK, B.A.

VIRGINIA CORWIN, B.D., PH.D., *Chairman*

WILLIAM ARMISTEAD CHRISTIAN, PH.D.

ASSISTANT PROFESSOR: WILLIAM GRAHAM COLE, A.B., B.D., *Chaplain*

The courses in religion which may be taken to fulfill the distribution requirement in Group A are 11, 39; in Group C, 14, 31a and b, 35a and b.

11. Introduction to the Bible. Narratives and poems covering creation, fall, patriarchs, judges, kings. The Great Prophets and lawgivers. Proverbs and Job. Jesus, Paul, and their teachings; Gospels, Acts, and other books of the New Testament. *Three hours each semester.* Th F S 9. Miss Crook, Miss Corwin.
14. Introduction to the Study of Religion. Teachings of contemporary Judaism, Roman Catholicism, and Protestantism. Problems presented by scientific thought, nationalism, and industrialized society. Survey of certain important religious ideas. For Freshmen and Sophomores only. *Three hours each semester.* Lec. Th 10. Rec. (for Freshmen) Th F 3, F S 10; (for Sophomores) Th F 2, F S 10. Miss Corwin, Mr Christian.
- 25a. Greek New Testament. Prerequisite, Greek 11, 11D, or the equivalent. *†Three hours.* Miss Crook.
- [26a. The Literary History of the Bible from earliest scriptural collections through the history of the great translations. Prerequisite, one year of Bible studies in college. *Three hours.* M T 4 and one hour to be arranged. Miss Crook.]
- 27a. Social Teachings in the Bible, with special reference to the Major Prophets and Jesus. Recommended for students who intend to take 37. *Three hours.* M T W 11. Mr Harlow.
- 27b. Life and Teachings of Paul. Prerequisite, 11 or 27a. *Three hours.* M T W 11. Mr Harlow.
- 28b. Contemporary Judaism. Its religious and social background, and its contribution to Christianity and democracy. *Three hours.* M T W 3. Mr Harlow.
- [29. Hebrew. Elementary course with readings from narratives of the Old Testament. *Three hours each semester.* M T W 10. Miss Crook.]
- 31a. History of Christian Thought through the Middle Ages. The early church fathers, Augustine, and medieval scholasticism. *Three hours.* M T W 10. Mr Cole.
- 31b. History of Christian Thought since the Middle Ages. Classical Protestant thought. Influence of science, philosophy, and historical study: criticism and reconstruction. Developments in Catholic thought. *Three hours.* M T W 10. Mr Cole.
- 32b. Religion in America. Religious thought, institutions, and movements as they have developed in American life. *Three hours.* M T W 9. Mr Christian.
34. Contemporary Religious Thought. A critical study of some important problems and movements. *Three hours each semester.* M T W 11. Mr Christian.

- 35a. History of Religions. Hinduism, Buddhism, Confucianism, and Shinto: their thought, institutions, and religious literature. *Three hours*. Th F S 11. Miss Corwin.
- 35b. History of Religions. Judaism, Christianity, and Islam: great men, characteristic teachings and institutions, relations to each other and to Western culture. *Three hours*. Th F S 11. Miss Corwin.
- 36a. Problems of the Individual in the Bible: his rewards and sufferings, his search for mediation between God and man, based on such books as Jeremiah, Job, the Fourth Gospel, Ephesians. *Three hours*. M T W 9. Miss Crook.
37. American Social Problems. Modern international and race relationships. An examination of these problems and their significance for the world tomorrow. The contribution of religion to their solution. *Three hours each semester*. T 4 and T W 9 or 12. Mr Harlow.
- 39a (39). The Prophets and Jesus. The prophets and other closely related writers of the Old Testament. Jesus, his teachings; ways in which Paul and other New Testament writers interpret him. Not open to students who have taken 11, 16, or 22. *Three hours*. Th F S 10. Miss Crook.
- [40b. Religion, Its Nature and Functions. Readings and discussions. †*Three hours*.]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in religion. †*Two or three hours*.
- 50, 50a, 50b. Research and Thesis. *Three or six hours*.
- 51a, 51b. Advanced Studies. †*One hour or more*.

Adviser of graduate study: Mr Christian.

THE MAJOR

Advisers: Miss Crook, Mr Christian.

Based on 11 or 14.

Essential Courses: twenty-one semester hours in religion, including 40b, six hours in Biblical studies (three for those who have taken 11), and six hours in history of religion or religious thought.

Optional Courses: other courses in religion and in related departments.

Honors

Director: Miss Crook.

Prerequisite: 11 or 14.

Program: in Junior year six semester hours in courses or units in Biblical studies and six in history of religion or religious thought; in Senior year one unit for the preparation of the paper and one for review. The greater portion of the work will be in units and courses in the Department, with work in related fields approved by the director.

Units will be conducted by means of regular conferences and special reading, and will usually be planned in conjunction with existing courses.

Examinations: one in a selected field of concentration; one in the general field of the major; one oral.

Units

Studies in the Old Testament. Miss Crook.
 Studies in the New Testament. Miss Crook.
 History of Christian Thought.
 Judaism. Mr Harlow.
 The Function of Religion in the Development of Society. Mr Harlow.
 History of Religion. Miss Corwin.

RUSSIAN LANGUAGE AND LITERATURE

PROFESSOR: HELEN MUCHNIC, PH.D., *Chairman*
 ASSISTANT PROFESSOR: CATHERINE A. PASTUHOVA, PH.D.
 VISITING LECTURER: NICOLAI S. VOROBIOV, PH.D.

The courses in Russian which may be taken to fulfill the distribution requirement in Group A are 23, 26, 35a and b.

- 11D. Elementary Course covering the work of two years. *Six hours each semester.* M T W 10 Th F 9 and W 3. Mrs Pastuhova and Mr Vorobiov.
21. Intermediate Course. Prerequisite, 11D or the equivalent. *Three hours or more each semester.* T W Th 3. Mrs Pastuhova and Mr Vorobiov.
23. Literature of the Nineteenth Century. Development of Russian realism. Study of some typical works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy, with discussion of important trends in social and aesthetic ideas which they represent. Conducted in Russian. Prerequisite, 21 or the equivalent. *Three hours each semester.* M T W 12. Mr Vorobiov. (L)
31. Advanced Course. Reading from classical and Soviet literature, with emphasis on roots and structure of the language, based on the history of Russian civilization. Prerequisite, 21 or by permission of the instructor. †*Three hours each semester.* Mrs Pastuhova and Mr Vorobiov. (L)

LITERATURE IN TRANSLATION

26. History of Russian Literature from the beginnings to the Revolution. To alternate with 35a and b. *Three hours each semester.* M T W 11. Miss Muchnic.
- [35a. Pushkin and Gogol. *Three hours.* M T W 11. Miss Muchnic.]
- [35b. Tolstoy and Dostoevsky. *Three hours.* M T W 11. Miss Muchnic.]
- 42b. Russian Literature since the Revolution. †*Three hours.* Miss Muchnic.

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- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in Russian. †*Two or three hours.*

Students who wish to major in Russian or in Russian Civilization should consult Miss Muchnic.

SOCIOLOGY

PROFESSOR:	GLADYS EUGENIA BRYSON, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	NEAL BREAULE DE NOOD, PH.D. MARGARET ALEXANDER MARSH, A.M. CHARLES HUNT PAGE, PH.D.
ASSISTANT PROFESSOR:	BERNARD BARBER, PH.D.
LECTURER:	FLORENCE ROBERTS DAY, M.SC. (SOC. ADMIN.), Director of the Smith College School for Social Work
INSTRUCTOR:	MARY E. WEBER GOSS, M.A.

The courses in sociology which may be taken to fulfill the distribution requirement in Group E are 26, 34a and b, Social Science 192.

Students planning to major or to do Honors work in sociology are advised to select from the following: Psychology 11, 12, 25a and b; Zoology 11, 12; Economics 21; Government 11, 21; History 11, 13, 29a; Philosophy 11, 22, 24.

Students who plan to enter the field of social work should consult their major advisers regarding desirable courses.

Unless otherwise indicated the prerequisite for Grade III courses is 26 or Social Science 192.

26. Introduction to the Study of Society. *Three hours each semester.* Lec. M T 10. Rec. W 10, 11; Th 10, 11, 12, 2; F 11. Mr Page, Mr Barber, Mrs Goss.

27b. Principles of Sociology. Primarily for students who have passed Social Science 192 and who plan to major in sociology, and for certain transfer students. *Three hours.* W Th F 2. Mrs Marsh.

31a. Urban Sociology. Theoretical and practical problems of urban society. Optional field trip. *Three hours.* M T W 2. Mr Barber.

32a. Social Disorganization. Theory of social disorganization; delinquency, crime, and related problems. Psychology 11 or 12 may be offered as prerequisite. *Three hours.* Th F S 9. Mr De Nood.

32b. Social Disorganization. Mental deficiency and pathology; economic insufficiency and related problems. Optional field trip. Psychology 11 or 12 may be offered as prerequisite. *Three hours.* Th F S 9. Mr De Nood.

33b. Social Anthropology. Life and thought of nonliterate peoples; cultural adaptation and change. *Three hours.* M T W 11. Miss Bryson.

34a. Expansion of Western Culture. Cultural consequences of modern imperialism. Problems applied to particular culture areas. No prerequisite. *Three hours.* Th F S 10. Mrs Marsh.

34b. Expansion of Western Culture. Further consideration of the problems of culture contact and with reference to additional culture areas. No prerequisite. *Three hours.* Th F S 10. Mrs Marsh.

35a. The Modern Family. Current concerns regarding the family; changing laws and attitudes; shifting and permanent values. For Seniors without prerequisite; for Juniors with prerequisite as stated above. *Three hours.* M T W 11. Miss Bryson.

36a. Advanced Sociological Theory. Foundations of contemporary sociology; European influences and current schools of American thought. Open only to Seniors. *Three hours.* M T W 12. Miss Bryson.

- 36b. Advanced Sociological Theory. Further development of social theory: Durkheim, Simmel, Pareto, Weber, Mannheim. Open only to Seniors. *Three hours.* Th F S 11. Mr De Nood.
- 38a. The Sociology of Social Planning. An inquiry into the present status of various kinds of social planning. *Three hours.* Th F S 11. Mr De Nood.
- [39b. Social Work in the American Community. Development and theory of modern social services; the basic processes: casework, group work, and community organization. Prerequisite, the introductory course in economics, government, psychology, sociology, or Social Science 192. *Three hours.* Th F S 10. Miss Day.]
- 310b. Social Aspects of Science. The cultural values of science; social organization of scientists; the social process of discovery and invention; social problems of science. Prerequisite, a course in social science. *Three hours.* M T W 3. Mr Barber.
- [311b. Class and Caste in American Society. Major theories and their application to the American scene; examination of current research. *Three hours.* M T W 3. Mr Page.]
- [40a, 40b. Advanced Sociological Theory. †*Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in sociology. †*Two or three hours.*
- 43b. Seminar in Techniques of Social Research. Surveys, questionnaires, interviews, case studies, communications research. Prerequisites, first semester of Economics 38 or Psychology 38a, and permission of the instructor. †*Three hours.* Miss Bryson.
44. Seminar in Social Institutions. Structure, functions, dynamics, and integration of contemporary institutions. By permission of the instructor. †*Three hours each semester.* Mr De Nood.
- 45a. Seminar in Changing Social Organization. The changing relations of the individual and groups in modern societies; problems of democratic processes. By permission of the instructor. *Three hours.* T 7:30. Mr Page.
- 47b. Interdepartmental Seminar in Government, History, and Sociology: for 1949-50, A study of certain social movements in American life: historical, political, and sociological aspects. By permission of the director, Mr Page. †*Three hours.* Miss Bornholdt, Mr Peltason.
- 50, 50a, 50b. Research and Thesis. *Three or six hours.*
- 51, 51a, 51b. Special Advanced Studies in such subjects as advanced theory, social organization and disorganization, culture contacts, problems of scientific methodology. †*One hour or more.*

Adviser of graduate study: Miss Bryson.

THE MAJOR

Advisers: Miss Bryson, Mr De Nood, Mr Page, Mr Barber.

Based on 26, or on Social Science 192 and Sociology 27b.

Essential Courses: twenty-one semester hours above Grade II in sociology including 40a and b.

Optional Courses: other courses in sociology; appropriate courses in allied departments.

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

Honors

Director: Mr Page.

Prerequisite: 26 or Social Science 192 and Sociology 27b. Candidates are urged to take introductory courses in two or more of the following departments: economics, government, history, philosophy, psychology.

Program: units, seminars, and courses, including six hours in advanced sociological theory, preferably in Junior year; six hours for a long paper in first semester of Senior year; three hours for directed reading and review in the second; and twelve additional hours in sociology.

Examinations: one in theory and two in fields of concentration which may also include sociological theory.

Units

American Sociological Theory. Miss Bryson.

European Sociological Theory. Mr De Nood.

Expansion of Western Culture. Mrs Marsh.

Social Stratification. Mr Page.

Social Anthropology. Miss Bryson.

Social Structure and Personality. Mr Barber.

The units will count for three or six hours each.

Other units may be offered upon request.

SPANISH AND PORTUGUESE LANGUAGES AND LITERATURES

PROFESSOR: RUTH LEE KENNEDY, PH.D.

ASSOCIATE PROFESSORS: ELIZABETH ANDROS FOSTER, PH.D.

MIGUEL ZAPATA Y TORRES, PH.D.

KATHERINE REDING WHITMORE, DOCTORA DE LA UNIVERSIDAD DE MADRID

HELEN JEANNETTE PEIRCE, A.M.

ASSISTANT PROFESSORS: †JUSTA ARROYO LÓPEZ-REY, A.M.

ESTHER BERTHA SYLVIA, D.M.L., *Chairman*

VICENTE GAOS, DOCTOR EN FILOSOFÍA Y LETRAS

‡JOAQUINA NAVARRO, A.M.

INSTRUCTORS: DENAH LEVY, A.M.

PHYLLIS BURROWS TURNBULL, A.M.

The course in Spanish which may be taken to fulfill the distribution requirement in Group A is 25.

Students planning to take the Spanish or the Latin-American major, who have entered with only two units of an inflected language, will be required to take Latin 2a, Greek 12a, or six hours of the classics in translation: Greek 18a, Latin 18b, 28, Classics 29b. The following additional preparation is recommended for those intending (1) to major in Spanish: a reading knowledge of French or Italian, English 21, History 11 or 13; (2) to do Honors work: a reading knowledge of French, History 325a and b or the equivalent, a general knowledge of English literature.

PORTUGUESE

- [21. Elementary Portuguese. Prerequisite, two years of Spanish or by permission of the instructor. *Three hours each semester.* Th F S 9. Miss Peirce.]
- [22a, 22b. Reading of Modern Portuguese Prose. Prerequisite, 21. †*One hour.* Miss Peirce.]

SPANISH

A. Language

11. Elementary Course. *Three hours each semester.* M T W 3, Th F S 10. Members of the Department.
- 11b. Elementary Course, covering the work of two years. *Six hours each semester.* M T W Th F S 9, 11. Members of the Department.
12. Intermediate Course. Grammar review and reading of modern prose. Prerequisite, two units in Spanish or 11. *Three hours each semester.* M T W 9, 10; Th F S 9, 11. Members of the Department.
21. Prose Composition. Prerequisite, 11b, 12, or 16. *Three hours each semester.* W Th F 2. Miss Foster.
- 31a. Advanced Prose Composition. Prerequisite, 21. *Three hours.* Th F S 10. Mr Zapata.
- 32a. Teachers' Course. Review of Spanish grammar. Discussion of methods. Practice teaching. †*Three hours.* Miss Kennedy.
- 33b. Advanced Translation into English. The material to be translated will be taken from current publications, letters, technical articles. *Three hours.* Th F S 12. Miss Foster.

B. Conversation

- 13a. Conversation. Two class hours. *One hour.* M T 2.
- 13b. Conversation. Two class hours. *One hour.* M T 2.

C. Literature

The prerequisite for courses of Grade III in this Division is 25 or 26.

16. Reading of texts to form a basis for a study of some aspects of Spanish life and culture. Prerequisite, three units in Spanish. *Three hours each semester.* M T W 10; Th F S 10, 11. Members of the Department. (L)
25. Reading of Modern Novels, Plays, and Poetry. Prerequisite, four units in Spanish, 11b, 12, or 16. *Three hours each semester.* M T W 11; Th F S 9, 12. Members of the Department. (L)
- 34b. Masterpieces of Spanish Literature to the beginning of the sixteenth century. *Three hours.* Th F S 10. Mr Zapata.
- 35a. Spanish Literature of the Sixteenth Century. *Three hours.* M T W 11. Miss Foster.
- 36a (34a). Prose Literature of the Seventeenth Century. *Three hours.* M T W 12. Mr Gaos.
- 36b (34b). Drama and Poetry of the Seventeenth Century. *Three hours.* M T W 12. Miss Kennedy.

- [37a, 37b. Spanish Literature of the Nineteenth Century. 37a, drama and poetry; 37b, the essay and the novel. *Three hours.* M T W 11. Mrs Whitmore.]
- 38a. Contemporary Spanish Literature. *Three hours.* M T W 10. Mr Gaos.
- 310a, 310b. South American Literature. A study of representative works and authors from the colonial period to the present. Recommended background, History 13 or 325a and b. *Three hours.* M T W 2. Miss Peirce.
- [40b. Review Unit. †*Three hours.*]
- 41, 41a, 41b. Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in Spanish. †*Two or three hours.*

D. Graduate Courses

Students who wish to do graduate work in the Department are required to have a knowledge of Latin.

- 50, 50a, 50b. Research and Thesis. *Three or six hours.*
- 51, 51a, 51b. Advanced studies in Spanish literature, arranged in consultation with the adviser of graduate study, on subjects such as poetry of the golden age, Cervantes, Tirso and the Spain of his epoch, nineteenth- and twentieth-century prose. †*Three hours.*
52. History of the Spanish Language. †*Three hours each semester.* Mr Zapata.
- 53a or b. Spanish Bibliography and Literary Methods. †*Three hours.* Miss Kennedy.

Adviser of graduate study: Miss Kennedy.

THE MAJORS

Advisers: Mr Zapata for 1950, Miss Foster for 1951.

A. The Spanish Major

Based on 11D, 12, or 16.

Essential Courses: from Division A, 21 and 31a; from Division C, 40b and nine semester hours above Grade II.

Optional Courses: other Spanish courses above Grade I or courses in related departments.

B. The Latin-American Major

Based on 11D, 12, or 16.

Essential Courses: 310a, 310b, 40b; History 325a and b.

Optional Courses: 31a, any Grade III course from Division C; Portuguese 21, 22a and b; History 420b; Geology 32b; Sociology 34b; any course of Grade III or IV treating some phase of Latin-American civilization.

Honors

Director: Mrs Whitmore.

Prerequisites: 11D or the equivalent; 25 or 26 and, if possible, 21.

Program:

Minimum requirement: one unit in language in first semester of Junior and Senior years; a paper and review in Senior year.

Optional courses or units to be selected in consultation with the director.

Examinations:

1. In Spanish: to test ability to use the language.
2. In English: (a) on the whole field; (b) on a special field; (c) on a great writer *not* of the special field.

SPEECH

PROFESSOR:	VERA A. SICKELS, A.M., <i>Chairman</i>
ASSOCIATE PROFESSOR:	**LIZBETH R. LAUGHTON, B.A.
VISITING LECTURER:	CLARENCE V. HUDGINS, PH.D.
INSTRUCTORS:	CHARLOTTE HACKSTAFF FITCH, A.B. ROBERT PRESTON NEWMAN, B.A.

- 11a. General Course. The basic principles of effective oral communication. Practical training in improving voice quality and distinct articulation. Individual conferences. Voice recordings. *Three hours.* M T W 12; Th F S 10, 11. Members of the Department.
- 11b. Repetition of 11a. *Three hours.* M T W 3, Th F S 10.
14. Fundamental course: Drama. For students whose main interest is in the field of drama. *Three hours each semester.* M T W 9, Th F S 11. Miss Laughton (1st sem.), Miss Fitch (2d sem.).
- 21b (21a). Reading and Speaking. Application of basic principles to various forms and purposes of oral communication: oral interpretation of prose and poetry, public speaking, drama, and radio. Prerequisite, 11a or b. *Three hours.* M T W 12, Th F S 10. Miss Fitch, Mr Newman.
- 22a, 22b. Voice Training. A laboratory course adapted to individual needs. Two class hours. *One hour.* Th F 12. Miss Sickels, Miss Fitch.
- 23b. Public Speaking. Organization and delivery of various types of speeches for formal and informal occasions. Prerequisite, 11a, 11b, or 14. *Three hours.* W Th F 2. Mr Newman.
- 24 (34). Presentation of Dramatic Material. Principles of stage action, pantomime, and style and manner of delivery, through acting and directing scenes from plays of various types and periods. Prerequisite, 11a, 11b, or 14. *Three hours each semester.* M T W 12. Miss Laughton (1st sem.), Miss Sickels (2d sem.).
- 25a. Play Reading. Individual and group practice in the interpretation of lines and scenes from the main periods of dramatic literature. Prerequisite, 11a, 11b, or 14. *Three hours.* M T W 10. Miss Sickels.
28. Phonetics for Foreign Students. Formation of English speech sounds, their distribution in connected speech, stress, intonation, and rhythm. †Two class hours. *One hour each semester.* Miss Laughton (1st sem.), Miss Sickels (2d sem.).
31. Radio. Preparation and production of radio programs: plays, interviews, talks, and news reporting. Four class hours chosen from T 4-6, W, Th 2-4. A laboratory hour for speech training may be required. *Three hours each semester.* Miss Fitch.
- 33a. Discussion. Practice in the various forms of modern group discussion. Attention given to individual voice and speech problems. †*Three hours.* Mr Newman.

- [35b. Play Reading. Analysis of character, structure, rhythm, and mood of plays from modern drama, including Ibsen, Shaw, and O'Neill. Prerequisite, 11a, 11b, or 14. *Three hours.* M T W 10. Miss Laughton.]
- 38a (21). Oral Interpretation of Literature. Study of various types of literature for oral presentation, with emphasis on poetry, narrative prose, and poetic drama. *Three hours.* Th F 11 and a practice hour to be arranged. Miss Sickels.
- 38b. Oral Interpretation of Children's Literature. Selection and evaluation of material suitable for story-telling, poetry reading, choral speaking, and dramatization. *Three hours.* Th F 11 and a practice hour to be arranged. Miss Sickels.
- [44a, 44b. Acting. Laboratory presentation of directed scenes from contemporary drama for practice in the analysis and creation of characters. Four class hours. *Three hours.* Th F 10 and a rehearsal period to be arranged. Miss Sickels.]
- 48a. Teachers' Course. The fundamental processes of oral communication as applied to the speech of the teacher and to the more common types of speech problems found in the classroom: speech improvement, speech rehabilitation, and applied speech. Voice recordings. †*Three hours.* Miss Sickels.
- 48b (48a). Teachers' Course. General review, with special reference to the pedagogy of voice and speech. Observation and directed practice teaching. Prerequisites, 38a and 48a. †*Three hours.* Miss Sickels.
- 58a. Experimental Phonetics. The methods and subject matter of experimental phonetics and its application in speech teaching and speech correction, with special reference to the speech of the deaf. Prerequisites, a fundamental course in speech and Physics 11 or Psychology 11, or by permission of the instructor. †*Three hours.* Mr Hudgins.

THEATRE

PROFESSOR:	HALLIE FLANAGAN DAVIS, A.M., L.H.D., <i>Director</i>
TECHNICAL DIRECTOR:	DENTON M. SNYDER, M.A.
ASSOCIATE PROFESSORS:	EDITH BURNETT, B.S. (Dance) FRANK DAY TUTTLE, M.F.A.
ASSISTANT PROFESSOR:	GEORGE BRENDAN DOWELL, A.M.
INSTRUCTORS:	CORNELIA CERF, A.B. (Dance) THEODORE KAZANOFF, A.M.
TEACHING FELLOWS:	MARJORIE LOUISE BONSTEIN, A.B. ROBERT PERRETTON SHAW, A.B. DORIS ELIZABETH ABRAMSON, B.A. MARIE BRECKWOLDT, A.B. (Dance) RACHAEL ADDIE QUANT, A.B. (Dance) WILLIAM MACARTHUR SHERMAN, B.F.A. DEANE ALLEN WORTH, A.B.

The courses in theatre which may be taken to fulfill the distribution requirement in Group B are 11a and b.

- 11a. Introduction to Theatre. The place of the theatre in the life of man and in the art and society of his time. Analysis of basic elements of theatre: play, direc-

- tion, acting, design. Lectures and discussion. *Three hours.* M T W 11. Mr Tuttle and members of the Department.
- 11b. Introduction to Theatre. Origin, development, and relation of drama to theatrical conditions of various periods. Lectures and discussion. *Three hours.* Hours and instructors as in 11a.
12. Fundamentals of Movement for Acting and Dance. *One hour each semester.* Lec. W 10 or 2; one supervised practice hour to be arranged. Miss Burnett.
22. Survey of Dance. Technique, history, rhythmic analysis, and composition. By permission of the instructor in charge. *Three hours each semester.* Lec. T 9; four supervised practice hours from M 9, 2-4, W 9, Th 3-5, F 11-1. Miss Burnett and Miss Cerf.
31. Play Production. Study and laboratory work necessary for presentation of several productions a year, illustrating co-ordination of writing, acting, design, and stagecraft, accompanied by classwork in these fields. For Juniors taking the major; for others by permission of the Department. *Six hours each semester.* M T W 2-4. Mrs Davis, Mr Snyder, Mr Tuttle, Mr Dowell, Mr Kazanoff.
- 32a, 32b. Choreography. Advanced course designed to emphasize individual and group creative expression through the medium of modern dance. Technique, original composition, and production. Prerequisite for 32a, 22; for 32b, 32a. Six studio hours. *Three hours.* M T W 11 and three to be arranged. Miss Burnett and Miss Cerf.
- 35a, 35b. A study of special forms of dramatic composition including the "living newspaper" and the chronicle history. †*Three hours.* Mrs Davis and members of the Department.
- [40. Advanced Play Production. †*Three hours each semester.*]
- 41, 41a, 41b. Special Studies. Acting, directing, lighting, design, playwriting. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in theatre. *Two or three hours.* W 2-4 or by special arrangement.
- 42a, 42b. Advanced Radio. Study and practice in the preparation and production of radio scripts. †*Three hours.* Mr Tuttle.
43. Advanced Play Production. A course in which students will continue their studies in theatre, and will work in an apprentice relationship with the producer in staging the Department's season of plays. For theatre majors. Prerequisite, 31. *Three hours each semester.* T 2-4 and a second period as arranged. Mrs Davis and members of the Department.
50. Research and Thesis. *Three or six hours.*
- 51, 51a, 51b. Advanced studies arranged in consultation with the Department. †*One hour or more.*
52. Rehearsal and Production. Theory and practice on department productions; advanced work in direction, acting, lighting, and stage design. *Three or six hours each semester.*

INTERDEPARTMENTAL MAJOR

Advisers: Mrs Davis and members of the Department.
Based on 11a and b.

Essential Courses: 31 and 40; Speech 14; Theatre 12. It is advisable for students to have met the speech and dance requirements by the end of Sophomore year. In addition at least six hours from the following: Theatre 35a, 35b, 42a, 42b; English 312a, 345a, 345b; Speech 24, 25a, 35b, 44a, 44b, 48a, 48b; or courses in other departments. Laboratory work in speech and movement may be required.

Honors

Director: Mrs Davis or a designated member of the Interdepartmental Major staff. Prerequisites: see the requirements for entrance to the major.

Program: the requirements will consist of (1) Junior year, 31; Senior year, 43.

Students may combine this basic work with courses totaling at least fifteen hours in art, English, languages, music, speech, theatre, or any other field approved by the director. (2) An independent piece of work counting for six hours which may take the form of a thesis in the literature, art, or history of the theatre; an original play; creative work in design, acting, direction, or stagecraft.

Examinations: two written and one oral along the following lines: historical, theoretical and literary, technical.

ZOOLOGY

PROFESSORS:	HOWARD MADISON PARSHLEY, S.D., <i>Chairman</i> MYRA MELISSA SAMPSON, PH.D. *ERNEST CHARLES DRIVER, PH.D.
ASSOCIATE PROFESSORS:	LOIS EVELYN TE WINKEL, PH.D. ESTHER CARPENTER, PH.D. ELIZABETH SANDERS HOBBS, D.SC.
ASSISTANT PROFESSOR:	B. ELIZABETH HORNER, PH.D.
INSTRUCTORS:	BARBARA HOPKINS LEONARD, PH.D. DOROTHY H. DRISCOLL, A.M. THELMA H. DUNNEBACKE, A.M. A. YVONNE WERNER, M.S.
TEACHING FELLOWS:	AUDREY PRISCILLA FARROW, A.B. BARBARA JEANE FIENEMANN, A.B. MERLE INEZ LATHROP, A.B. MILDRED ANN CAMPBELL, B.S.

The courses in zoology which may be taken to fulfill the distribution requirement in Group G are 11, 12, Biological Science 195.

Students planning to major in zoology are advised to take 11 in Freshman year and to have a knowledge of general botany or chemistry and a reading knowledge of German. Chemistry, physics, and German are required by many graduate schools. See also preparation required for Honors work.

11. General Zoology. Introduction to the study of animals, including the fundamental principles of biology and a comprehensive survey of the animal kingdom. Laboratory work consists of dissection, experiments, and practice in the use of the microscope. Two lectures and two two-hour laboratory periods. *Three hours each semester.* Lec. Th F 2. Lab. A, M T 9; Lab. B, M T 11; Lab. C, M T 2; (Lab. D, M T 11); Lab. E, Th F 9; Lab. F, Th F 11; (Lab. G, Th F 11); (Lab. H, M T 9). Mr Parshley (*Director*), Miss Carpenter, Mrs Hobbs, Miss Dunnebacke, Miss Fienemann.

12. Anatomy and Physiology of Man and Other Mammals. Laboratory work includes study of the human skeleton, of the muscles, nervous system, and viscera of other mammals, and microscopic study of tissues and organs. Two lectures and two two-hour laboratory periods. *Three hours each semester.* Lec. Th F 11. Lab. A, M T 9; Lab. B, M T 11; Lab. C, M T 2; Lab. D, Th F 9; Lab. E, Th F 2. Miss Sampson, Miss Leonard (*Codirectors*), Miss Dunnebacke, Miss Lathrop.
22. Comparative Anatomy of Vertebrates. Comparison and probable evolution of structures in a series of chordates from amphioxus to mammal. Prerequisite, 11, 12, or Biological Science 195; open to geology majors by permission of the instructor. Two lectures and two two-hour laboratory periods. *Three hours each semester.* Lec. M T 11; Lab. M T 2, Th F 9. Mr Driver, Miss Horner (*Director*), Miss Farrow.
- 31a. Nutrition. Human nutrition and its relation to the composition, supply, selection, preparation, and cost of food. By permission of the instructor. Lectures and demonstrations. *Three hours.* Th F 9-11. Miss Sampson.
32. General Physiology. Experimental study of animal functions, their interrelations and their regulation. For students who have passed 12 or have passed or are taking 22, and Chemistry 11 or the equivalent. Two lectures and two two-hour laboratory periods. *Three hours each semester.* Lec. W 9 and 10; Lab. (M T 2), M T 9. Miss Sampson, Miss Werner.
33. General Embryology. Development of animals, with particular reference to vertebrates. For students who have passed 12 or have passed or are taking 22. Two lectures and four hours of laboratory. *Three hours each semester.* Lec. Th F 2; Lab. Th F 3-5, (M T 2-4). Miss Te Winkel.
- 34a. Entomology. Introductory study of insects, with field trips. Prerequisite, 11. *Three hours.* Th F 11-1 and two hours of independent work. Mr Parshley.
36. Genetics and Eugenics. Principles of reproduction and heredity, with economic and eugenic applications. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195 and, for Sophomores, permission of the instructor. Open to students majoring in sociology or education by permission of the instructor. Two lectures, one two-hour laboratory period, and two hours of independent work. *Three hours each semester.* Lec. Th F 10; Lab. W 2. Mr Parshley.
37. Normal Histology. Microscopic study of animal tissues and organs, with practice in the more usual methods of histological technic. Prerequisite, 12 or 22. *Three hours each semester.* Lec. Th 9; Dem. F 9; Lab. Th F 11-1. Miss Carpenter.
- 38b (38). Animal Taxonomy and Ecology. Field and laboratory work on animal identification and habits. Lectures on early American naturalists, methods of nature study, and wild-life conservation. Prerequisite, 11; open to botany majors by permission of the instructor. Two lectures and four hours of laboratory or field work. Offered in alternate years. *Three hours.* Lec. M T 2; Lab. M T 3-5. Mr Driver.
- 311b. Protozoology. Free living and parasitic Protozoa and their relationships to other animals including man. Prerequisite, 11, 12, or Biological Science 195. *Three hours.* Th F 11-1 and two hours of independent work. Mrs Hobbs.

[40b. Integrative Work to suit individual needs. †*Three hours.*]

41, 41a, 41b. Special Studies. Problems not dealt with in other courses in the Department. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in zoology. †*Two or three hours.*

42b. Advanced Physiology. Properties and functions of products synthesized by living organisms, including enzymes, hormones, vitamins, and other specific substances. Prerequisites, 32 and Chemistry 31. One lecture and five hours of laboratory. *Three hours.* Lec F 2; Lab. Th 2-5 F 3-5. Miss Sampson.

[43a. Development of Zoological Concepts. Study of man's continuous effort to analyze and reduce to system the knowledge of living organisms and to interpret the phenomenon of life, with special attention to the development of the concept of species and theories of evolution. Open, by permission of the instructor, to students not majoring in zoology. Offered in alternate years. *Three hours.* M 3-5 T 5. Mr Driver.]

Research Courses

In these courses the work is individual and involves, in addition to the laboratory work upon which it is based, extensive reading and conferences with the instructor at stated intervals. A reading knowledge of French and German is desirable. †*Two hours or more each semester.*

50, 50a, 50b. Research and Thesis. *Three or six hours.*

52a, 52b. Embryology. Prerequisite, 33. Miss Te Winkel.

53, 53a, 53b. Anatomy (prerequisite, 22) or Ecology (prerequisite, 38b). Mr Driver, Miss Horner.

54. Seminar. Recent Advances in Zoology. Reading and individual reports. †*One hour each semester.*

56, 56a, 56b. Entomology. Prerequisite, 34a. Mr Parshley.

57, 57a, 57b. Physiology. Prerequisite, 32. Miss Sampson.

58a, 58b. Histology and Cytology (prerequisite, 37); 58. Tissue Culture (prerequisites, 37 and Bacteriology 22). Miss Carpenter.

59. Genetics. Prerequisite, 36. Mr Parshley, Mr Driver.

NOTE.—See also Botany 553, 54a and b, 55.

510, 510a, 510b. Protozoology. Prerequisite, 311b. Mrs Hobbs.

Adviser of graduate study: Miss Sampson.

THE MAJOR

Advisers: Mr Parshley, Miss Sampson, Mr Driver, Miss Te Winkel, Miss Carpenter. Based on 11 or 12. If based on 12, 11 must be taken later.

Essential Courses: 22, 40b, and twelve semester hours in zoology above Grade II.

Optional Courses: other courses in zoology; courses in botany, chemistry, geology, physics, or psychology; Economics 38; Bacteriology 22, 34; Physical Education 43b.

Honors

Director: Miss Carpenter.

Prerequisites: 11 and 22; Chemistry 11 or its equivalent. Normally these courses should be taken before Junior year.

Program:

Requirements: 32, 33, 43a, and three additional hours in zoology; three hours on a problem or paper; three hours of directed reading and review.

Optional courses approved by the director.

Examinations: two will cover the general field; the third may be of a specialized character.

INTERDEPARTMENTAL MAJORS

In addition to the departmental majors there are interdepartmental majors in which courses offered by different departments are focused on a certain field of study. Except in American Studies the work is so arranged that it covers four years instead of two. Students are expected to fulfill the general college requirements for the first two years. Interdepartmental majors are offered in the following: American Studies; Architecture and Landscape Architecture; Sciences, including Bacteriology, Physiological Chemistry, and Premedical Science; Theatre.

AMERICAN STUDIES:**THOUGHT AND EXPRESSION IN THE UNITED STATES**

This major aims to bring into a single focus certain courses which explore the history of thought and expression in the United States.

Based on History 11, English 21 or General Literature 291, or equivalents approved by the adviser, Mr Aaron.

Essential Courses: in Junior year twelve hours chosen from History 321a and b, English 329, Art 313a and b, Music 318b.

Six hours to supplement the courses above from

History 321a and b, 320a, 413a, 414a and b, 415b, 56b, 57a.

English 329, 416a and b, 417b, 512a and b.

Art 313a and b, 327a; Music 318b.

These eighteen hours must include at least six in history, six in literature, and three in art or music.

Six hours from Education 36b, Government 46a or b, Philosophy 310b, Religion 32b.

Optional Courses: six hours in courses selected from related fields of study.

It is urged that courses taken outside the major should not include any listed above. The requirement of at least six hours during the Junior or Senior year in a Division other than the one in which the student is majoring must be satisfied by elections outside the field of this major.

Honors

Director: Mr Aaron.

Program: students may enter in Junior year and may take units or seminars in place of certain courses, as they may serve the purpose to accomplish an equivalent of the required work of the Junior year in the major. Entrance may also be made at the beginning of Senior year. In either case the last year's work will include a paper (three hours) in first semester and an integrating unit (six hours) in second.

ARCHITECTURE AND LANDSCAPE ARCHITECTURE

This major is planned for students who have a special interest in these subjects and for those who expect to make them a profession. They are so interrelated that

some professional schools require study in both fields in preparing for either profession. Advanced credit is allowed in certain of these schools to those who have taken this major.

Based on Art 11 or 12. Art 13 and Botany 27 are advised.

Essential Courses: Art 322a, 323b, 325, 339, 341; Botany 38a and b.

Suggested electives: Art 212, 321, 327a, 41, 41a, 41b; Botany 11, 22b, 33b; Geology 11; Mathematics 12 or 13; Physics 11; Sociology 31a; French or German.

Adviser: Miss Koch or Mr Putnam.

Honors

Director: Miss Koch.

Examinations: one will be the solution of a project to test the student's ability in the technical field; one her scholarship in the history of architecture and of landscape architecture; one will comprise essay questions of a general nature treating several fields together.

SCIENCE

The interdepartmental majors in science are designed as preparation for (1) professional schools such as medicine, public health, or nursing; (2) graduate study in those fields which involve a thorough knowledge of more than one science, *e.g.* biochemistry, biophysics, or bacteriology; (3) laboratory work. Because it is advantageous to have basic training in chemistry, physics, zoology, and mathematics it is urged that the student see the advisers of these majors as early as possible in Freshman year.

Students planning to enter schools of nursing may consult Miss Sampson for information concerning entrance requirements for these schools.

BACTERIOLOGY

Essential Courses: Chemistry 11 or 12, 21a and b or 23, 31; Bacteriology 22, 34; Zoology 12 or 22.

Optional Courses: courses in chemistry, bacteriology, physics, zoology, or mathematics approved by the adviser, Miss E. V. Smith.

Honors

Director: Miss Smith.

Prerequisites, normally taken before Junior year: Bacteriology 22; Chemistry 21a and b or 23; Zoology 12 or 22.

Program:

Requirements: Bacteriology 34, 43a; Chemistry 31; Mathematics 12 or 13; three hours throughout Senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, zoology, bacteriology, physics, or mathematics approved by the director.

Examinations: one in chemistry, one in bacteriology, one selected according to the student's program.

PHYSIOLOGICAL CHEMISTRY

Essential Courses: Bacteriology 22; Chemistry 11 or 12, 21a and b or 23, 31, 42a; Zoology 12 or 22, 32, 42b.

Optional Courses: other courses in chemistry, bacteriology, zoology, physics, mathematics, or Botany 35 with the approval of the adviser, Miss Cann.

Honors

Director: Miss Cann.

Prerequisites, normally taken before Junior year: Chemistry 21a and b or 23; Mathematics 12 or 13; Zoology 12.

Program:

Requirements: Bacteriology 22; Chemistry 31, 42a; Physics 11 or 12; Zoology 32, 42b; three hours throughout Senior year on a problem, paper, reading, and review.

Optional Courses: courses in chemistry, physics, bacteriology, zoology, mathematics, or other related fields by permission of the director.

Examinations: one in chemistry, one in physiology, one selected according to the student's program.

PREMEDICAL SCIENCE

The courses listed represent the minimum requirement for entrance to most medical schools, but as these differ from one another it is advisable for students to decide in the spring of Freshman year which school they plan to enter and include any additional courses necessary. Thirty hours in the major are required in the three upper years of which eighteen must be above Grade II.

Essential Courses: Chemistry 11 or 12, 21a and b or 23, 31; Physics 11 or 12; Zoology 11 or Biological Science 195, Zoology 22; a college course or its equivalent in German, French, or Spanish.

Optional Courses: other courses in chemistry, physics, mathematics, or zoology. Sociology 32a, 32b, or Psychology 46 may be substituted with the permission of the adviser, Mrs Hobbs.

Students may also prepare for medical schools by majoring in any department, if they include in their schedules the courses suggested above as the minimum requirement. They may consult the adviser of this major about their choice of courses.

Honors

Director: Mrs Hobbs.

Prerequisites, normally taken before Junior year: Chemistry 21a and b or 23; Physics 11 or 12; Zoology 11 or Biological Science 195; a college course or its equivalent in German, French, or Spanish.

Program:

Requirements: Chemistry 31; Mathematics 12 or 13; Zoology 22; three hours throughout Senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, physics, zoology, mathematics, or bacteriology. Sociology 32a, 32b, or Psychology 46 may be substituted with the permission of the director.

Examinations: one in chemistry, one in zoology, one selected according to the student's program.

THEATRE

The Interdepartmental Major may be found in the offering of the Theatre Department.

GRADUATE STUDY

SMITH COLLEGE offers to graduate women work leading to the degrees of Master of Arts, Master of Education, Master of Science in Physical Education, and Doctor of Philosophy. Work for the degrees of Master of Arts or Master of Education may be combined with work for the Diploma for Teachers of Physical Education (see page 132). Advanced instruction is available in practically all departments of the college, and in the interdepartmental fields of bacteriology and genetics.

Graduate courses are open to men as well as to women students. Graduates of any college of approved standing may receive instruction without reference to the attainment of an advanced degree.

ADMISSION

Correspondence should be addressed to the Executive Secretary to the Committee on Graduate Study, College Hall 21.

Every candidate for admission as a graduate student should fill out an application form which is furnished on request, and present evidence of fitness for graduate work, including an official transcript of the undergraduate record. In addition the candidate is urged to take the Graduate Record Examination* and to present a report of her achievement to the Committee on Graduate Study at Smith College. Application should ordinarily be made in the spring of the year preceding registration. This regulation applies to teaching fellows and assistants as well as to other graduate students. Students who fail to make proper application in advance run the risk of being denied admission at the time of registration. Candidates for the degree of Master of Education should also correspond in advance with the chairman of the Department of Education and Child Study, and candidates for the degree of Master of Science in Physical Education with the Director of Physical Education. Students who wish to do graduate work in music and who have not had their undergraduate work at Smith College are required to take a placement test on the day before the opening of college. Arrangements should be made with the Department.

Graduate students must register with the Committee on Graduate Study at the opening of the college year. At this time they will receive blank course cards which are to be filled out after consultation with the chairman of the departmental committee on graduate work, and returned to the office within one week. Special permission must be obtained for delay in returning these cards. After the program has been arranged a student wishing to make changes must receive written permission through the office of the Committee.

REQUIREMENTS OF ADMISSION TO CANDIDACY FOR ADVANCED DEGREES

To be admitted as a candidate for a degree an applicant must have received her baccalaureate degree from a college or university of recognized standing, have fulfilled the prerequisite requirements for the field in which the degree is to be re-

* Candidates should correspond with the Educational Testing Service, Princeton, New Jersey, for information concerning the nature of this examination and the dates and location of its administration.

ceived, and must show promise of ability satisfactorily to pursue advanced study and research.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

Students admitted to a course of study leading to the degree of Master of Arts must have fulfilled the requirements for a Smith College major or its equivalent in the department in which the degree is to be received. A statement of the requirements for a major (consisting of thirty semester hours with at least eighteen in the department of the major and at least eighteen of Grade III or IV) is given following the list of courses in each department. Each student is expected to familiarize herself with that statement, and in case of doubt to make inquiries of the Committee on Graduate Study.

The course of study must be planned under the direction of the department in which the degree is to be received. It may include six semester hours of related work in another department, provided the election is approved by the major department and by the instructor concerned. A minimum of twenty-four semester hours of work in residence is required, normally distributed in eight three-hour units. At least twelve hours including the thesis must be of Grade V. With the approval of the departmental committee the other twelve hours may be in undergraduate courses or seminars (Grade III or IV), but not more than six hours of Grade III are permitted. If the student's undergraduate course did not include the required prerequisites she will, as a rule, need more than one year to complete the work for this degree.

Candidates for this degree must offer evidence, satisfactory to the department of their major, of a reading knowledge of at least one foreign language commonly used in that field.

A thesis, which may show the result of research or be a careful review of a special subject, is required of each candidate for this degree. In either type of thesis the student is expected to show some originality, some ability to select, integrate, and evaluate the material pertaining to her subject. Normally it counts for three or six semester hours. The thesis must be submitted to the department by the first of May, accepted by the department, and presented to the Committee on Graduate Study by May 20. Two typewritten copies of the thesis in final form must be presented to the Committee for deposit in the College Library.

REQUIREMENTS FOR THE DEGREE OF MASTER OF EDUCATION

The selection of candidates for this degree is based on academic aptitude, personality, and general fitness for teaching. The general requirements are similar to the requirements for the degree of Master of Arts, including the language requirement, with the exception that practice teaching and course work are substituted for the thesis, and that the required courses are distributed between education and the teaching field. The course of study normally consists of thirty semester hours. Students must have had a major in their teaching field equivalent to the major in that field in Smith College; in case of a deficiency courses must be taken in addition to the minimum subject matter requirement. Students must also have had a minimum of nine semester hours in education including History of Education, Philosophy or Principles of Education, and Educational Psychology. In case of a deficiency in this requirement examinations covering these subjects must be passed by the student before becoming a candidate.

A graduate program in the Teaching of the Deaf is given in co-operation with The Clarke School for the Deaf in Northampton.

Candidates for this degree will fall into groups, depending upon the type of teaching in which they wish to engage: (1) secondary school teachers in the academic fields; (2) teachers in nursery and elementary schools; (3) teachers of physical education; (4) teachers of the deaf.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE IN PHYSICAL EDUCATION

This degree is planned for the student who is interested in entering the field of physical education after her college course. Those who qualify for the degree must have received a baccalaureate degree from a college or university of recognized standing, and have completed an undergraduate program similar to that required for the Bachelor's degree at Smith College, including the courses listed as prerequisites on page 132, and in addition courses in physical education and hygiene similar to those required for the Diploma for Teachers of Physical Education at Smith College or for the degree of Bachelor of Science in Physical Education at other colleges. The courses required for the Diploma may be taken in the first year of graduate study at Smith College. Candidates must show promise of ability satisfactorily to pursue advanced study and research. They must offer evidence satisfactory to the Department of a reading knowledge of at least one foreign language.

Students must complete with at least Graduate Credit thirty additional semester hours of work as described in the special pamphlet which may be procured from the Department of Physical Education. Ordinarily two years of full-time graduate study will be required for students with a major in a liberal arts field to complete the prerequisites and the requirements.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred in recognition of high scholarly attainments and of ability to carry on original research. Students will be accepted as candidates for this degree only after they have satisfied the department of their major by graduate work done at Smith College that they have ability for independent advanced study and investigation. This acceptance comes not earlier than the end of the first year of graduate work and may, at the discretion of the Committee on Graduate Study, be on the basis of qualifying examinations. This degree may not be granted to members of the Smith College Faculty above the rank of instructor.

The requirements for the degree are normally based upon the equivalent of three years of graduate work, of which at least one must be in residence at Smith College, and at least one semester in residence at one of the larger universities or abroad. The requirements include (1) the fulfillment of the language requirements imposed by the department, (2) the satisfactory completion of work in the major and minor fields, (3) the presentation of an acceptable dissertation, (4) the passing of preliminary examinations, and (5) a final examination. The program of a student shall be directed by a special committee consisting of three members of the Faculty. They shall be chosen so as to represent the fields of study in the student's program, shall be selected by the graduate committee of the department in consultation with the student, and shall be approved by the Committee on Graduate Study.

In general these requirements must be fulfilled in accordance with the following regulations, although variations, which must be approved by the Committee on

Graduate Study, may be permitted according to the nature of the major subject and of the student's program.

THE LANGUAGE REQUIREMENT. Every candidate must demonstrate to her special committee, not later than October 15 of the second year of graduate work, her ability to use at least two foreign languages in the literature of her major study. One of these languages must be modern. (The Committee on Graduate Study interprets this to mean that the student must be able to use the language in her research; a literary translation is not necessary.)

THE MAJOR AND MINOR SUBJECTS. The course work must be in a major and two minor fields. If the major subject includes two well-defined fields one of these may serve as a minor.

THE DISSERTATION. Ordinarily it is written under the direction of a member of the special committee in charge of the student's program, and must represent at least one full year of research. The completed thesis must be approved in writing by all members of the special committee and must be submitted to the Committee on Graduate Instruction for approval at least two weeks before the examination.

It is expected that the completed thesis, a significant section, or a summary of the results will be published.

PRELIMINARY EXAMINATIONS. These examinations under the direction of the candidate's special committee must be passed not later than October 15 of the academic year in which the student expects to fulfill the requirements for the degree. They will consist of two or three written examinations and an oral one. The written ones must be taken within a two-week period.

FINAL EXAMINATION. This examination will be oral and will be in the general field of the thesis. It must be taken in the spring and not later than June first of the year in which the degree is to be awarded.

GENERAL REGULATIONS

Graduate students are expected to perform all required class exercises, including final examinations if given in a course. In courses of Grades IV and V they are graded as follows: Distinction, to be given rarely and then only in recognition of unusual excellence; Graduate Credit, defined as satisfactory for an advanced degree; Pass, defined as satisfactory for hours' credit but not for an advanced degree; Fail. In courses of Grade III or lower letter grades are used (see page 68).

Every student awarded a degree must have spent at least one full academic year, or the equivalent, in residence and study at Smith College as candidate for that degree.

It is expected that work for the degree will be continuous and will be done in residence. The thesis may be completed *in absentia* only by special permission of the department and of the Committee. All work for the Master's degree must be completed within a period of four years from the date of enrollment of the candidate; all work for the Doctor's degree within a period of seven years.

Students receiving advanced degrees are expected to take their degrees in person at Commencement. Academic dress of the degree to be taken is worn; arrangements may be made through the graduate office. Degrees are seldom conferred *in absentia* and only with the permission of the Director of Graduate Study.

STUDENTS NOT CANDIDATES FOR AN ADVANCED DEGREE

College graduates who are not candidates for an advanced degree may, with the approval of the Committee on Graduate Study, take any of the courses regularly

offered. These students are expected to conform to the standards of attendance and of scholarship that are required of candidates for degrees, including the taking of final examinations.

CERTIFICATE FOR FOREIGN STUDENTS

A Certificate of Graduate Studies may be awarded to foreign students who have received undergraduate training in an institution of recognized standing and who have satisfactorily completed a year's program of studies under the direction of the Committee on Graduate Study.

TEACHING FELLOWS

Teaching fellows normally carry half-time graduate work, *i.e.* six hours each semester, and obtain a Master's degree in two years. The stipend is \$900 for the first year, \$1000 for the second year, and tuition. The department in which the appointment is made expects assistance for not more than twenty hours a week. Applicants should obtain application forms from the graduate office. Before appointments are made the chairmen of the departments concerned present the credentials of the applicants for admission as graduate students to the Director of Graduate Study for approval.

FELLOWSHIPS AND SCHOLARSHIPS

Seven fellowships covering board, room, and tuition, and four tuition scholarships have been established by the Trustees of Smith College for the encouragement of advanced work in the various departments of study. They are open to graduates of Smith College and to women graduates of other colleges of good standing. It is understood that holders of these fellowships will be candidates for an advanced degree at Smith College. They may be asked to render some assistance (not instruction) in the college. They are not to undertake remunerative employment unless special permission is obtained from the Director of Graduate Study. Applications for these fellowships must be sent with the proper credentials by March 1 to the office of the Committee, College Hall 21. Awards will be announced the first of April, and must be accepted on or before April 15.

The College offers to students from abroad several fellowships which include tuition, residence, board, and a cash stipend of \$100. The scholarships offered by the Department of Education and Child Study are also open to these students. All stipends are payable in two installments. Candidates should apply, if possible as early as November, to the Chairman of the Committee on Foreign Students, College Hall 21, Northampton, Massachusetts, for application forms and particulars of required credentials, and all applications should reach her not later than February 20.

The Department of Education and Child Study offers three scholarships covering tuition to college graduates who wish to prepare themselves for specialized work in education. In making the appointments the academic records, personal characteristics, general adaptability, and professional experience of the candidate will be considered. Applications should be made on or before March 1.

Three tuition scholarships are available to students in the Department of Physical Education. Applications should be made before March 1 to Miss Dorothy S. Ainsworth, chairman of that Department.

The Alumnae Association Fellowship fund of \$25,525 provides fellowships offered to members of the graduating class who are selected by the Committee on

Graduate Study. The holders may study at Smith College or at some other approved institution.

The Smith Students' Aid Society offers annually two fellowships of \$700 each for graduate study. These fellowships are open to members of the graduating class and to alumnae of not more than two years' standing. Application should be made before March 1 to the Office of the Treasurer, Smith College.

The Marjorie H. Nicolson Fellowship of \$1000 was established in 1934 by the Trustees, to be awarded by the Committee on Graduate Study for advanced study either at Smith College or at some other institution. This sum may be divided at the discretion of the Committee.

The Fanny Bullock Workman Scholarship fund of \$30,000, the income to be used annually for assisting one or two graduate students.

The Jean Fine Spahr Fellowship fund of \$15,129.32 for the endowment of a graduate fellowship or fellowships, the income to be awarded to graduates of Smith College for study at approved universities in the United States or abroad (see page 52).

The Sarah Watkins Wilder and Sarah Wheaton Whipple Fellowship for Graduate Study in Zoology has been established as a fellowship for study at Smith College, or for Smith College graduates or teachers in the Zoology Department of Smith College for study in other institutions.

The Harriet Boyd Hawes Scholarship fund was established by the class of 1892 at its thirtieth reunion and has been increased to \$12,000 (see page 52). The income is used for a scholarship at Smith College or, in the case of graduates or those who have been graduate students or members of the Faculty of Smith College, for study elsewhere in this country or abroad.

The Frances Grace Smith Fellowship fund of \$20,000, the income to be awarded to a graduate or graduates of Smith College for the study of botany.

The Agnes Hunt Memorial fund of \$1000 has been founded by Mr. Nathan P. Hunt, the income to be used to aid any graduate student in the college pursuing advanced work in history.

Research fellowships are granted for work in various science departments as funds from Foundations are made available.

The Sophia Smith Honorary Fellowships without stipend have been established by the Trustees, to be awarded to students of fellowship standing who do not require financial aid.

The College is one of the institutions co-operating in the support of the American Schools of Classical Studies in Athens and Rome. The reports of these schools are sent regularly to the College, and graduates will be welcomed to all the privileges which the schools offer.

The sum of \$100 annually is contributed by the College toward the maintenance of the American School of Oriental Research in Jerusalem. Any Smith College graduate may enjoy the privileges of the school.

LOANS

The income of the Florence Harriett Davidge fund is available for loans to deserving graduate students at Smith College and to alumnae or Faculty planning graduate studies at other institutions who need aid in meeting tuition charges. Applicants must agree to begin semiannual payments on loans within five years after completion of the planned educational program. Interest charges will be made on that portion of the loan not repaid by that time. Applications may be

submitted to the Director of Graduate Study at any time, but preferably on or before the first of May.

HEALTH

Graduate students who are taking full-time work and are living in college dormitories and Fellows may be cared for in the Infirmary with routine nursing care for one week without charge, but only three free days may be used for any one disability; beyond that time the charge is \$6 a day. If a student requires special nursing the usual charges for such care will be submitted. These students may participate in a voluntary health insurance plan arranged by the College with a reputable insurance company.

RESIDENCE

General information will be found on pages 41 and 42. Further information in regard to room and board may be obtained from the Warden.

Fort Hill House is the center of the social life for graduate students. Two other small dormitories are assigned to the graduate group. Holders of fellowships are required to live in one of these houses except by special arrangements with the Warden or the Director of Graduate Study. Other students, who desire, may arrange to live outside college houses, but their places of residence must have the approval of the Warden.

No college room may be engaged for a shorter time than one year. Rooms are not assigned until after the receipt of the \$50 deposit.

The College expects students living in college houses to carry full-time programs.

EXPENSES

A deposit of \$50 is required from all students except Trustee and Foreign Fellows on or before September 1 of each year of residence. Checks should be made payable to Smith College, and should be sent to the office of the Director of Graduate Study. The deposit will be applied to the second semester bill. In case of withdrawal, if notice in writing is filed with the Director of Graduate Study prior to September 1 with respect to the first semester or prior to December 1 for the second semester, the deposit will be refunded; otherwise it will be forfeited.

Tuition for full-time work, \$500 for the year.

Tuition for part-time work, \$22.50 a semester hour.

College graduates engaged in professional work in or near Northampton may take partial work at special rates. For particulars they should consult the Director of Graduate Study.

Late registration fee, \$5. Required for registration occurring more than one week after the opening of the semester.

Dormitory charge, \$750 for the year.

Diploma fees, for the Master's degree \$10; for the Doctor's degree \$25.

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

OFFICERS OF ADMINISTRATION AND INSTRUCTION

FLORENCE ROBERTS DAY, M.SC. (SOC. ADMIN.), Director	Social Casework
ANNETTE GARRETT, A.M., M.S.S., Associate Director and Supervisor of Field Work	Social Casework
ESTHER H. CLEMENCE, M.S.S., Supervisor of Field Work	Social Casework
EUNICE F. ALLAN, M.S.S., Supervisor of Field Work	Social Casework
SOPHIE T. CAMBRIA, PH.D., Supervisor of Social Research	
JENNIE MOHR, PH.D., Supervisor of Social Research	
ALFRED J. KAHN, M.S., Supervisor of Social Research	
ELIZABETH CLARK JOHNSON, S.B., Executive Secretary and Registrar	
HELEN P. LOTRECK, Administrative Assistant	
ANNA E. SULLIVAN, Secretarial Assistant	

LUCILLE N. AUSTIN, A.B.	Casework Supervision
SAUL BERNSTEIN, M.S.	Group Work and Community Organization
FELIX DEUTSCH, M.D.	Psychiatry
MIRIAM P. HART, M.S.S.	Public Welfare
FRANK J. HERTEL, M.SC. (SOC. ADMIN.)	Administration
MARY E. HURLBUTT, A.M.	Cultural Studies
ROBERT P. KNIGHT, M.D.	Psychiatry
OTHILDA KRUG-BRADY, M.D.	Child Psychiatry
JOHN C. LEONARD, M.D.	Medicine
GEORGE E. LODGEN, A.B., LL.B.	Law
DOROTHY D. MUELLER, M.S.S.	Social Casework
VIOLA PARADISE, PH.B.	Public Relations
ELIZABETH P. RICE, M.S.	Social Aspects of Medicine
IRMA RITTENHOUSE, A.B.	Economics
ROBERT A. YOUNG, ED.D.	Psychiatry and Clinical Psychology

SPECIAL LECTURERS

SELDEN D. BACON, M.D.
LYDIA G. DAWES, M.D.
SIBLEY HIGGINBOTHAM, M.S.
CLAIRE C. MANWELL, M.D.
PAUL PHELPS, M.D.
MARIAN C. PUTNAM, M.D.
EVEOLEEN N. REXFORD, M.D.

ADVISORY MEMBERS

LUCILLE N. AUSTIN, A.B.
FRANK J. HERTEL, M.SC. (SOC. ADMIN.)
FLORENCE HOLLIS, PH.D.
FREDERIKA NEUMANN, M.S.S.

LECTURERS, SUMMER SESSION, 1949

- Joseph P. Anderson, Executive Secretary, American Association of Social Workers, New York
- Ewan Clague, Commissioner of Labor Statistics, Department of Labor, Washington, D. C.
- Florence Hollis, Associate Professor, New York School of Social Work
- Mary E. Hurlbutt, Associate Professor, New York School of Social Work
- Dr Robert P. Knight, Medical Director, Austen Riggs Foundation, Stockbridge
- George E. Lodgen, Attorney at Law, Boston
- Dr Helen V. McLean, Psychoanalyst, Institute for Psychoanalysis, Chicago
- Daniel E. O'Keefe, Consultant in Psychiatric Social Work, Office of Professional Services, National Institute of Mental Health, Washington, D. C.
- L. M. Palar, Official Observer to the United Nations from the Indonesian Republic

AGENCIES CO-OPERATING DURING THE WINTER SESSION, 1949-50

- Alexandria Mental Hygiene Clinic, Alexandria, Va.
- Boston Psychopathic Hospital, Boston
- Bureau of Child Guidance, New York
- Central Clinic, Cincinnati General Hospital, Cincinnati, O.
- Child Guidance Clinic, University Hospital, Baltimore, Md.
- Child Guidance Home, Cincinnati, O.
- Community Service Society, New York
- Family and Children's Society, Baltimore, Md.
- Family Service, Cincinnati, O.
- Family Service, New Haven, Ct.
- Family Service of Scranton and Dunmore, Scranton, Pa.
- Family Service Association, Springfield
- Family Service Society, Hartford, Ct.
- Family Society, Boston
- Family Society, Philadelphia, Pa.
- Grace-New Haven Community Hospital, New Haven, Ct.
- Guidance Institute of Berks County, Reading, Pa.
- Hartley-Salmon Clinic, Hartford, Ct.
- Institute for Juvenile Research, Chicago
- James Jackson Putnam Children's Center, Roxbury
- Jewish Board of Guardians, New York
- Jewish Family Service Bureau, Cincinnati, O.
- Judge Baker Guidance Center, Boston
- Massachusetts General Hospital, Boston
- Mental Hygiene Clinics of Essex County, Cedar Grove, N. J.
- Providence Child Guidance Clinic, Providence, R. I.
- Rockland State Hospital, Orangeburg, N. Y.
- United Charities, Chicago
- Veterans Administration Center, Des Moines, Ia.
- Veterans Administration Mental Hygiene Clinic, Boston
- Wayne County General Hospital and Consultation Center, Eloise and Detroit, Mich.
- Winter Veterans Administration Hospital, Topeka, Kan.
- Worcester Child Guidance Clinic, Worcester

ORGANIZATION OF THE SCHOOL

The Smith College School for Social Work was organized in 1918 as a graduate school in which to prepare psychiatric social workers for the war emergency. During 1918 and 1919 an intensive course of theory and a period of supervised practice were given to those who were graduated. These at once found their places in hospitals and social agencies. It was soon recognized that an approach to problems of social maladjustment through an understanding of the personalities involved was valid for every form of social casework. The Smith School therefore continued after the war emergency as a graduate professional school of social work and became a charter member of the American Association of Schools of Social Work.

The first decade of the growth of the School corresponded to the period when the mental hygiene movement was enlarging its scope to include not only the better care of cases of mental illness and mental defect, but prevention of delinquency and the development of child guidance clinics. Psychiatric social workers were eagerly sought for the casework staffs of hospitals and community clinics and to carry preventive mental hygiene into courts, schools, and the public services. Social casework is a professional service which requires scientific knowledge and disciplined skill. Competent practice calls for the exercise of judgment and discretion.

EDUCATIONAL PLAN

The educational plan of the Smith College School for Social Work is based on the premise that there is a basic core of knowledge and skill in social work which transcends the specializations. The educational program is so planned as to offer sound orientation in the broad aspects of social work and the development of professional competence in the practice of social casework. Graduates are prepared to hold casework positions in a wide variety of private and public agencies and to advance to supervisory and administrative responsibilities.

CLASSROOM INSTRUCTION

Academic study is designed to provide such knowledge from the disciplines of medicine, psychiatry, psychology, law, and the social sciences as is required for the practice of social work. The courses in the methods of social casework integrate this factual knowledge and develop the principles and skills inherent in practice. Other courses in the broad field of social work cover theory and method in such areas as public welfare, child welfare, group work, administration, and community organization. Basic considerations in carrying on research in social casework are reviewed in a course that serves as an introduction for individual work on a thesis.

In order to carry out this educational policy the curriculum consists of a relatively few units of instruction covering basic areas rather than being broken up into many elective courses. For example, the basic course in public welfare aims to develop a sound comprehension of the scope and objectives of the field and to give a working knowledge of the varied individual programs on the federal, state, and local levels as they operate to meet the total needs of individuals. In the same way the casework courses demonstrate the application of casework principles in family casework, child welfare, psychiatric social work, and medical social work.

Courses offered in any one term are planned as a sequence and to achieve a total integration. Emphasis is placed on the discussion rather than the lecture method

of teaching in the endeavor to train for independent and resourceful thinking. The educational process is strengthened by the fact that all the students live together on the campus of Smith College during the summer session and thereby are encouraged in continuous group thinking, mutual criticism, and discussion of the problems in the field of social work.

FIELD INSTRUCTION

Field work is an integral part of the curriculum, and academic credit is given for it. Students are assigned to agencies in small groups for a long and continuous practice period. This enables the student to become a participating member of the agency and community, and furthers the development of a professional attitude and point of view. Responsible participation under guidance during the field work gives opportunity to develop competence and self-reliance in casework practice.

Carefully selected and supervised reading is assigned to supplement and enrich the practice period in the field. In addition to individual instruction each agency is asked to offer a weekly seminar throughout the winter.

During the field work period thesis subjects are selected and worked on under the guidance of members of the School faculty. The preparation of a thesis is regarded as part of a student's training for a profession that looks to research for advancement of its theory and practice.

Continuous supervision from the School is maintained throughout the field work period by regular visits of faculty.

CURRICULUM

PLAN A

The School presents a program of three summer sessions in academic study on the Smith campus and two winter sessions in field work in agencies selected by and responsible to the School for the educational work. This program is designed for students without previous experience or training in social work.

PLAN B

This program covers two summer sessions of academic study at the School and an intervening winter session in field work. It is designed for students who have had adequate graduate preparation or satisfactory experience in an approved casework agency, and these students enter the course at Session III.

PLAN C

Persons may enroll for a single summer session and may be assigned to courses in Session I or III, depending upon their previous preparation and experience. Full credit will be given toward the degree provided the student is accepted for readmission to complete the course within a period of two years. Students electing courses not prescribed for Session I or III will not be eligible for Session II or IV, respectively, upon reapplication.

The School *Catalogue* giving full details for the coming year will be sent upon request.

CONDITIONS OF ADMISSION

The Smith College School for Social Work is open to women graduates of approved colleges who have completed at least twenty semester hours in the social

and biological sciences. Inquiries and applications for admission should be addressed to the Director, Smith College School for Social Work, Northampton.

DEGREES

The Trustees of Smith College, on the recommendation of the staff, grant the degree of Master of Social Science (M.S.S.) on the following conditions: (a) Completion of the period of residence, namely, a minimum of five quarters of full-time work. (b) Satisfactory completion of the courses required, unless exempted by examination when advanced work may be substituted. (c) Satisfactory completion of a thesis.

EXPENSES

Since the number of students that can be admitted is limited, a registration fee of \$10 payable within one week of acceptance of the application is required in order to reserve a place in the School. This fee is not refunded in case the applicant does not attend.

The fee for each summer session is \$350 which covers tuition, room, and board. For each winter session the fee is \$125.

During the periods of field work the students are personally responsible for their own maintenance and may not accept salaried positions.

Students should estimate between \$15 and \$25 for books for each session, and students in the last session from \$30 to \$50 for the typing of at least three copies of their theses.

SCHOLARSHIPS

Scholarship aid is available during the winter sessions. Certain state hospitals offer internships which cover all living expenses of the students who are assigned to them for their field experience; other agencies grant a number of \$800 scholarships. A few larger scholarships are provided by agencies for students who will agree to accept employment after graduation. All applications should be made to the Director before April 1, 1950.

CALENDAR 1950-52

First Session	June to September, 1950
Second Session	September, 1950, to June, 1951
Third Session	June to September, 1951
Fourth Session	September, 1951, to June, 1952
Fifth Session	June to September, 1952

SEMINARS

The School offers a series of seminars of two weeks each open to experienced social workers, and limited to twenty-five members. The seminars are conducted on the discussion method by the leaders four hours each morning for five days a week.

The fee for each seminar is \$100. A \$10 registration fee payable within one week of acceptance of the application is required in order to reserve a place. This fee will be applied to the charges of the seminar, but is not refunded in case the applicant does not attend.

PROGRAM OF ADVANCED STUDY

This program of twelve months is designed for experienced graduate caseworkers in preparation for practice, supervision, teaching, and administration. It is assumed that candidates undertaking this advanced curriculum will be preparing for positions of increased responsibility and leadership.

The program will consist of formal course instruction, supervised field experience, and independent study. Seminars in casework and psychiatry will be designed to improve the student's mastery of casework principles through a more thorough understanding of the dynamics of personality and social environment and of treatment methods. Seminars in teaching method and administrative process will examine the educational and psychological principles involved. Agencies, clinics, and hospitals that are outstanding as teaching centers will be used for field work.

The course is open to graduates of approved schools of social work who are well prepared in psychiatrically oriented casework, and who, following graduation, have had a minimum of two years of successful experience in a qualified casework agency.

The Board of Trustees of Smith College, upon the recommendation of the Faculty, will grant a diploma to students who satisfactorily complete the course.

Fee for each summer session: Tuition, room, and board \$175.

Fee for winter session: Tuition \$150.

For registration: \$10 payable within one week of acceptance of the application; not refunded if the applicant does not attend.

A limited number of fellowships ranging in amount from \$800 to \$2400 will probably be available. Application may be made at the time of filing the application for admission on a form provided by the School.

COURSES OF INSTRUCTION

SESSION I

10. The Field of Social Work. A course given by visiting lecturers who represent important social movements and activities.
120. Social Casework: I. A course which develops principles fundamental in the practice of social casework through discussion of case material from the several casework fields.
121. Social Casework: II. Continuation of 120.
130. Group Work. The principles and methods of group work as a basic approach in social work. The relationship of group work to casework, community organization, and other fields is explored.
140. Medical Information. The causes, symptoms, transmission, and theory of treatment of diseases; communicable diseases and their control. The function of the social worker in health problems.
150. The Psychological Development of the Normal Child. The emotional and social development of the child from birth through adolescence.
151. Preclinical Psychopathology. History, viewpoints, principles, and content of psychopathology.

- 151a. Clinical Psychopathology. Demonstrations of neurotics and psychotics at the Northampton State Hospital.
160. History and Organization of Social Work. An orientation to existing social welfare activities, presenting historically the growth of social agencies and the formulation of programs as they have developed in response to individual and community need.
161. Public Social Service. The responsibilities and interrelations of federal, state, and local governments in meeting social needs. Special attention will be given to the public assistance provisions and their relation to the social insurances.
192. Economic Bases of Social Welfare. Analysis of economic factors in the problems of individuals, groups, and the community. The relation of these factors to the role of government in furtherance of human welfare.

SESSION II

220. Field Experience in Social Casework.
221. Readings in Casework, Psychiatry, Medicine, and Social Welfare.

SESSION III

- 320, 321. Theory and Practice of Social Casework. Casework concepts and methods as they apply to individual cases, to agency setting, and to the community will be re-examined historically and in current practice.
340. Social Aspects of Medical Care. This course follows 140 and includes discussion of the major medical and social problems of surgery, physical handicaps, and geriatrics. The present and proposed planning for adequate programs of medical care, both preventive and curative.
350. Dynamics of Human Behavior. The dynamic interplay between emotional and environmental factors in the development of personality trends.
351. Psychosomatic Medicine. Lectures on the emotions and bodily changes, including the management of psychosomatic problems from the point of view of psychiatric and medical social service teamwork.
352. Implications of Psychological Testing. Problems of intellectual growth and its measurements. Emphasis is placed on the interpretation of test results with which the social worker needs to be familiar.
360. Public Assistance and Child Welfare. Special attention is paid to the practice and administration of public assistance programs with reference to establishing eligibility, budgeting and determination of need, and the fair hearing. Individualized services for children are studied.
370. Introduction to Social Research Methods. Basic concepts and principles of scientific methodology and their implications for research in the field of social casework.
390. Law and Social Work. The relationship of law to social work; human motivation and the law; welfare legislation considered from the viewpoint of its application to social work problems and of public opinion.

391. Cultural Factors in Social Work Practice. A course concerned with cultural heritage and milieu as potent forces to be understood and utilized in social work. Studies of negro-white relations and of recent European immigrants will be used as samples.

SESSION IV

420. Field Experience in Social Casework.
421. Readings in Casework, Psychiatry, Medicine, and Social Welfare.
470. Thesis.

SESSION V

520. Advanced Social Casework. Generic casework skills are stressed through the use of cases from agencies with a wide variety of functions. Direct and indirect treatment methods applicable to individuals of various age groups are taught.
550. Psychiatry and the Child. Discussion of the biological development of the child, which includes the emotional relationships in his life with all the variations from the normal to the more abnormal.
551. Psychiatry and the Adult. Discussion of the implications of deviations in the behavior of the adult, emphasizing the value for casework of a diagnostic impression of the client, his capacities, limitations, and motivations.
570. Thesis.
580. Administration of Social Agencies. An advanced course emphasizing the planning aspects of agency organization and administrative process. Aspects emphasized, such as effective co-ordination, direction and supervision of staff; staff participation and personnel practices; interpretation of policies and standards to staff and community; financing; research facilities; development and use of agency boards, lay groups; relations between private and public agencies.
581. Community Planning for Social Welfare. The facts and problems about the community which it is important for social workers to understand, and the co-ordination of social services for the maximum benefit to the community.
590. Dependents and Incompetents. Minors under the law; adoption, guardianship, custody, the minor and the juvenile court; civil and criminal liability of insane persons.
591. Intercountry Casework. The extension of casework through internationally co-ordinated services. The significance of intercultural understanding and orientation to social work methods in other countries and to the role of the United Nations.
592. Social Work Interpretation. This course will explore the kinds of interpretation which all social workers are called upon to give. It will consider ways in which social workers provide information for special publics, for example, boards, volunteers, P.T.A. groups.
593. Social Action. A survey of forces for and types of social action in the American social welfare field, including a description of legislative process through which reforms are effected.

GRADUATE SEMINARS

91. Advanced Casework. Miss Hamilton and Mrs Allan.
92. Supervisory Method in Social Casework. Mrs Austin and Miss Hutchinson.
93. Ego Psychology. Dr Krug-Brady.
94. The Psychosomatic Concept. Dr Deutsch.
95. Educational Methods in Teaching Casework. Miss Hamilton.
96. Casework Writing and Interpretation. Miss Paradise.

HONORS AND DEGREES

AWARDED IN 1948-49

FIRST GROUP SCHOLARS

SOPHIA SMITH SCHOLARS

DWIGHT W. MORROW SCHOLARS

NEILSON SCHOLARS

WILLIAM A. NEILSON SCHOLAR

NATIONAL SCHOLARS

1950

Gabriele Lucie Abraham

Johanna Baird Albrecht

Judith Carol Baron

Stefanie Dorothea Blank

Betty Leota Blaw

Edith Sumner Campbell

Ann Catherine Colwell

Karla Davidson

Lucy Jefferson Elmer (Balise)

Martha Norton Farrar

Leona Judith Feldman

Phyllis Joan Freeman

Lesley Chapman Gerould

Esta Ruth Greenberg

Anne-Marie Goddard Hall

Anna Fisher Hart

Elizabeth Patricia Henderson

(Rasweiler)

Miriam Hertz

Meta Joyce Kaplan (Kirschbaum)

Elinor Florence Kuhn

Shirley Rita Lefkovich

Jean Claire Murphy

Ellen Charlotte Oppler

Ursula Grete Orth

Gloria Elena Pasquini

Frances Squire Potter

Sarah Bell Reynolds

Mary Eleanor Sanger

Sylvia June Shapiro

Doris Jean Stewart

Dorothy Rouse Street

Barbara Allyn Wolfe

1951

Elizabeth Anne Bergen

Edith Constance Clarke

Lore Ruth Dinkelspiel

Mary Grace Eames

Paula Eldot

Mary Janice Elwood

Marjorie Anne Flory

Mary Ann Freedman

Elaine Bernice Goodman

Lee Hilles

Doris Kraeling

Judith Ann Levenson

Lyle Sybil Lobel

Ann Stirling Putzki

Ann Schafer

Evelyn Erica Weissmann

Dorothy Elizabeth Wilson

Cora Priscilla Yates

1952

Sheila Marilyn Brander

Barbara Belle Crosby

Cynthia Gale

Olive May Gibson

Mary Ellen Greenfield

Sally Wurlitzer Griess

Janice Hartman

Margaret Herta Hildebrandt

Doris Selma Jaffin

Patricia Louise Kelley

Virginia Elizabeth Plews

Elizabeth Ann Powell

Martha Ann Whiting

Lucy Lawrence Worcester

1953

NATIONAL SCHOLARS

Margaret Elizabeth Latimer, Lawrence, Kan.
 Ruth Helen Quigley, San Francisco, Cal.
 Margaret Lulu Shook, El Cerrito, Cal.

DEAN'S LIST

1949

Patricia Nancy Abrams	Helen Elizabeth Connors
Judith Irma Adelson	Martine Darmon
Betty Jane Allen	Naida Doris Deitch
Joan Lorelei Auer	Doris Angela Doehler
Margaret Louise Auger	Rhoda Mary Dorsey
Rebecca Dare Bacon	Henrietta Stanfield Dunn
Elizabeth Anne Bain	Jean Morrow Dunn
Joyce Bainton	Mary Oliphant Eckman
Beverly Maxwell Baird	Jean Chisholm Eells
Barbara Joan Baker	Dorothy Leah Ellis
Joan Prentis Baker	Pamela Joyce Faulkner
Judith Elma Balise	Betsy Gray Ferguson
Beatrice Sturgis Bartlett	Betty Joyce Fischler
Barbara Bates	Joan Fletcher
Mary Jane Bergen	Renée Claire Fox
Leigh Berrien	Sarah Wistar Morton Frantz
Lucy Landon Black	Joan Stuart Frayn
Cynthia Blodgett	Carolyn French
Miriam Bloomberg	Marta Margarita Freyre de Andrade
Joan Blumenthal	Joan E. Friedlander
Elizabeth Sauls Bowers	Anne Katherine Frisby
Rebecca Crowninshield Bradford	Susan Todd Gabriel
Clare Brett	Nancy Gennes
Anita Page Bridgman	Dorothy Anne Green
Janet Anita Brown	Lois Katherine Green
Jean Francis Bryant	Nancy Kingston Green
Phyllis Helene Buckley	Ann Teresa Griffin
Eleanor Pillsbury Buell	Hannah Webster Griffith
Vilma Elise Bungenstab	Jean Gage Guthrie
Vernon Burrows	Martha Carolyn Handley
Doris Elizabeth Burwell	Jean Collins Harris
Anna Ella Bush (Hart)	Mary Thérèse Harris
Priscilla Jane Carver	Naomi Carolyn Hartman
Gloria Angela Cassetti (Pisaneschi)	Margaret Neale Heard
Barbara Adams Chapin	Amelia Thompson Heilbron
Jean Clark	Janet Margaret Houley
Jacqueline Lucienne Cochran	Virginia Lee Howeth
Margaret Sabin Collette	Ann Duke Hughes
Nancy Gill Comey	Barbara Josephine Hunter
Melisande Congdon	Nancy Dixon Jarvis

Anne Lavinia Jenks
 Patricia Ann Jerome
 Mona Judson
 Dorothy Elizabeth June
 Holly Keays
 Virginia Frances Knapp
 Valerie Young Knowlton
 Nancy Harrison Kuhn
 Louisa Alcott Kussin
 Marcia Arline Kutz
 Mary Ladds
 Olive Virginia La Guardia
 Barbara Hazard Leavell
 Julia Rensselaer Lee
 Mary Ellen Lee
 Lois Carol Leggett
 Charlene Marie Leonard
 Joan Ruth Levine
 Mary Alice Linehan
 Evelyn Leah Lipshires
 Joanne Lloyd-Jones
 Steffi Ruth Loewenstein
 Martha McCormick
 Anne Macfarlane (Jones)
 Hollis Louise McLaughlin
 Nancy Marshall
 Jane Elizabeth Matern
 Eleanor Louise Matsis
 Katharine Lathrop Mayer
 Harriet Louise Means
 Frances Ravenel Menefee
 Anna Mary Miles
 Brenda Millar
 Margaret Harrison Miller
 Mary-Clare Milligan
 Marilyn Sturges Mills
 Judith Laura Mogil
 Marian Emilie Molthan
 Sylvia Field Morse
 Eleanor Carroll Munro
 Margaret Trowbridge Murray
 Sylvia Newbury
 Carol Rita Newton
 Genevieve Nichols
 Margaret Wilber Noe
 Nancy Sylvia Nore
 Nancy Dudley Nussbaumer
 Joan Bodkin Orr
 Helen Esther Pace
 Sara Pease

Flavia Domitilla Pediconi
 Helen Patricia Pels
 Hellen Eva Perrin
 Joanna Pfaff
 Katharine Louise Piper
 Ann Dorothy Podoloff
 Mary Taylor Pryor
 Ritva Alli Inkeri Putkonen
 Margery Claire Quitzau
 Patsy Joan Rabinowitz
 Caroline Elizabeth Reed
 Kathryn Virginia Reed
 Dorothy Reich
 Ada Frances Risley
 Virginia Roberts
 Judith Rogers
 Eileen Patricia Rooney
 Geraldine Edna Roth
 Caddy Arden Rowan
 Jane Joyce Rubenstein
 Elisabeth Ann Ruggles
 Susan Elizabeth Ryan
 Suzanne Lee Rykken
 Cynthia West Safford
 Mary Montgomery Salisbury
 Cynthia Le Baron Schoen
 Alice Ann Scott
 Ruth Margaret Scully
 Eva Louise Seely
 Suzanne Seixas
 Adlyn Anne Shannon
 Beverlee Muriel Shapiro
 Barbara Frances Sharpe
 Jane Louise Shirley
 Sylvia Wheeler Short
 Elizabeth Capps Siefkin
 Elsie Marie Sjostedt
 Alice Mary Fairbank Smith
 Jo Ann Smith
 Rosemary Sprague
 Patricia Ann Spring
 Penelope Stewart Spurr
 Lucy Staton
 Maxine Anita Steinman
 Barbara Jane Stephenson
 Marcia Tapley Stephenson
 Catherine Stevens
 Caroline Stewart
 Harriet Jean Stix
 Dorothy Roberta Strang (Bordes)

Joanne Strelsin
 Rose Sui Hwa Sun
 Elizabeth Allen Swift
 Marian Jane Thomas
 Julia Horner Thornton
 Doris Jean Todd
 Thetis Aphrodite Touliaou
 Rosamond Gale Tryon
 Janet Tucker
 Molly Tulin
 Lydia Mildred Tyler
 Barbara Helen Ungerleider
 Jessie Van Baalen

Natalie Iris Veit
 Muriel Josephine Vogel
 Anne Elizabeth Wallace
 Martha Jean Wallingford
 Suzanna Hampson Waterman
 Mary Lynne Weil
 Charlotte Rose Welles
 Rosemary Wieler
 Ruth Elizabeth Wilgus
 Katherine Miller Woodruff
 Catherine McGowan Woods
 Margaret Joan Woodside
 Grace Wyshak

Natalie Ann Zemon (Davis)

1950

Gabriele Lucie Abraham
 Johanna Baird Albrecht
 Janet Page Alpers
 Edith Frances Anderson
 Rita Harriet Arky
 Patricia Atwood
 Sarah Ann Bagby
 Joan Joy Baker
 Helen Bennett Bardeen
 Judith Carol Baron
 Helen Gibbs Bennett
 Corinne Speck Benson
 Gloria Rochelle Berk
 Patricia Ann Berry
 Shirley Ann Bisselle
 Stefanie Dorothea Blank
 Betty Leota Blaw
 Louise Deborah Bloch
 Virginia Margaret Bogert
 Charlotte Marjorie Bond
 Carroll Le Sueur Bounds
 Isabel Whitla Braham
 Mary Glenair Brandt
 Virginia Lois Brock
 Greta Emmeline Brockhausen
 Betty Jane Brost
 Edith Sumner Campbell
 Marjorie Alice Canfield
 Marilyn Lee Cannon
 Nancy Carter
 Elizabeth Cheney
 Martha Ann Churchill
 Marguerite Taliaferro Clarke

Martha Hopkins Cochrane
 Patricia Jane Collins
 Ann Catherine Colwell
 Hope Craig
 Elizabeth Marie Curth
 Karla Davidson
 Marion Esta Davis
 Mary de Coningh
 Elizabeth Anne de Coursey
 Mary Elizabeth Doyle
 Phyllis Cecile Dragon
 Margaret Frances Drucker
 Lucy Jefferson Elmer (Balise)
 Irene Eschenlohr
 Bernice Barbara Evans
 Shari Ruth Evans
 Martha Norton Farrar
 Harolyn Feinman
 Leona Judith Feldman
 Barbara Ann Firth
 Cornelia Fischer
 Suzanne Marie FitzSimons
 Fleta Anne Frazier
 Phyllis Joan Freeman
 Ruth Dorothy Friedman
 Louise Ormsbee Gale
 Caroline Gassner
 Lesley Chapman Gerould
 Selma Phyllis Gordon
 June Myrtle Gray
 Esta Ruth Greenberg
 Marcia Betty Gwirtzman
 Lynn Haas

Anne-Marie Goddard Hall
 Anna Fisher Hart
 Elizabeth Patricia Henderson
 (Rasweiler)
 Anna Maria Herbert
 Miriam Hertz
 Elinor Joel Heyman
 Andrea Douglas Hill
 Martha Holloway
 Mary Hand Jayne
 Dorothy Ann Johnson
 Carol Joyce
 Paula Lorraine Kairys
 Meta Joyce Kaplan (Kirschbaum)
 Marian McNair Karns
 Lilith Kennedy
 Margaret Ann Kennedy
 Emilie Brace Kiekhofer
 Emma Rose Kingoff
 Renee Helen Kline
 Nancy Knight
 Elaine Julia Kobylanski
 Elinor Florence Kuhn
 Elinor Beth Lander
 Lorna Bartlett Landis
 Elizabeth Louise Lane
 Shirley Rita Lefkovich
 Constance Judith Linehan
 Ruth Ann Linell
 Zoann Little
 Elaine Pembroke Loeffler
 Patricia Low
 Margaret Stevenson Lynch
 Nancy Harrington Lynch
 Ann Louise McChesney
 Nancy McConnell
 Jean Katharine McGrady
 Odessa Elizabeth McKenzie
 Beryl Chrisman Magee
 Barbara Jordan Malm
 Constance Ruth Marantz
 Joan Phyllis Mencher (Frosch)
 Joan Shepard Miller
 Marilyn Carol Miller
 Carolyn Jean Minner
 Mary Lind Jane Mulder
 Mary Adelaide Muller
 Jean Claire Murphy
 Janet Lester Neville
 Martha Baker Nixon

Ellen Charlotte Oppler
 Ursula Grete Orth
 Estelle Shari Ostow
 Marie Carmela Pascucci
 Gloria Elena Pasquini
 Ann Elizabeth Pierce
 Beryl Ada Pinckney
 Rosalie Ann Poriss
 Frances Squire Potter
 Carolyn Jane Proctor
 Mary Rosmond Rector
 Lois Helen Rentsch
 Sarah Bell Reynolds
 Nancy Elena Riford
 Emily Lothian Rockwood
 Corinne Rogers
 Rosamond Wainwright Rogers
 Constance Rohr
 Phyllis Rotner
 Raenelle Rubin
 Jean Marie Russell
 Patience Russell
 Mary Louise Rust
 Sally Christie Rutherford
 Mary Eleanor Sanger
 Anne Sangree
 Joan Wolverton Schelling
 Miriam Schoenberger
 Sylvia June Shapiro
 Florence Shir
 Chialeen Judith Simon
 Grace Lechner Smith
 Lucia Mary Smith
 Peggy Diane Smith
 Jane Hawley Spaulding
 Joan Mercedes Spaulding
 Deborah Benjamin Spoot
 Margaret Grace Stair
 Frances Ann Staubus (Middleton)
 Lydia Goodwin Steinway
 Gladys Pomeroy Stevens
 Doris Jean Stewart
 Dorothy Rouse Street
 Sarah Alice Strong
 Shirley Lou Stugard
 Isabel Nancy Tanner
 Caroline Alice Taylor
 Elizabeth Carleton Thomas
 Lillias Gilroy Thomson
 June Thorndike

Janet Sherman Trowbridge
 Rita Jane Turino
 Phyllis Glahn Waldorf
 Cynthia Livingston Waterbury
 Sally Russell Watters
 Esther Angelica Weiss
 Ruth Werlin

Elizabeth McLeod Whelden
 Barbara Allyn Wolfe
 Elinor Jane Wolfe
 Nancy Carol Wolfner
 Cyra Rona Wolpert
 Patricia Walton Woods
 Joan Story Wright

1951

Margery Sellier Arzonico
 Ann Meredith Atwater
 Mabel Emma Beeman
 Elizabeth Anne Bergen
 Sue Bond
 Anne Bowen
 Patricia Bowler
 Jean Margaret Breckenridge
 Hortense Alden Brigham
 Deborah Alice Brin
 Barbara Ann Burgner
 Barbara Martin Burns
 Christine Chin
 Edith Constance Clarke
 Nellie Marie Cochrane
 Ruth Leila Cohen
 Mary Stokehill Colby
 Evelyn Comey
 Josephine Crisfield Connerat
 Isabelle Carter Crocker
 Anne Churchill Dalby
 June Elizabeth Davis
 Julia Woods Dennis
 Monique Françoise Denoeu (Cone)
 Anne Derham
 Lore Ruth Dinkelspiel
 Abigail Jane Dittmann
 Elizabeth Emma Dodson
 Helen Eleanore Dollstedt
 Constance Anne Dulles
 Joan Sharpe Dunakin
 Mary Grace Eames
 Paula Eldot
 Mary Janice Elwood
 Ruth Erisman
 Marjorie Anne Flory
 Edna Pearl Fontek
 Mary Ann Freedman
 Gabrielle Westbrook Freeman (Carlin)
 Ruth Dorothy Freidson

Elaine Bernice Goodman
 Nancy Andrews Hamilton
 Elizabeth Jane Hanna
 Susan Harris
 Barbara Hazelwood
 Natalie Louise Heap
 Jane Ann Heitmann
 Lee Hilles
 Margaret Roberts Hinckley
 Elaine Belle Hornick
 Jean Dorothea Hurvins
 Ruth Kiyoko Kamuri
 Mary Ellen Kelly
 Gloria Kelminson
 Thalia Weston Kennedy
 Kathryn Alice Kerdolff
 Elizabeth Kala Kohn
 Janice Kollmann
 Dorothy Jean Koontz
 Doris Kraeling
 Judith Marcia Krohn
 Ann Drummond Leonard
 Judith Ann Levenson
 Anne Kelway Libby
 Lyle Sybil Lobel
 Virginia Dix McGinnes
 Mary Darling MacMurdy
 Blythe Elspeth McVicker
 Dorothy Mandel
 Lois Cornell Markle
 Laurette Adelaide Martin
 Nancy Mazur
 Martha Mitchell
 Sarah Lee Moore
 Anne Shirley Noble
 Louise Sandra Otto
 Gay Palmer
 Florence Margaret Pope
 Carol Lenoir Price
 Ann Stirling Putzki

Eleanor Margaret Quinn
 Jean Ann Radel
 Marilyn May Reder
 Phoebe Lang Reese
 Ruth Myra Resnik
 Anne Loveland Rich
 Jeanne Marie Riney
 Jean Ritchey
 Jane Elizabeth Ross
 Patricia Ross
 Margaret Collins Sauter
 Ann Schafer
 Ruth Gilda Schooler
 Louise Benedict Schoonmaker
 Gretchen Schubert
 Arrial Seelye
 Alida White Sherman
 Rita Fay Sillman
 Alice Lee Silverman
 Carol Kerns Simpkin
 Donna Jeanne Smith
 Margaret Cecilia Snyder
 Liebe Deborah Sokol
 Katherine Anne Spahn

Joan Spillsbury
 Irene Stein
 Judith Naomi Steiner
 Rosamond Louise Stephenson
 Beate Olga Stern
 Katharine Nichols Stevens
 Barbara Colby Stocking
 Maida Heyward Straut
 Joan Moira Swenson
 Susan Silliman Tracy
 Isabel Ann Tryon
 Margaret Renée Value
 Joan Vickery
 Virginia von Schilling
 Iris Lane Warren
 Molly Muriel Weinstein
 Lydia Suzanne Weissner
 Evelyn Erica Weissmann
 Mary Ann Weld
 Ann White Whittlesey
 Dorothy Elizabeth Wilson
 Patricia Suzanne Wolf
 Ann Mitchell Wyeth
 Cora Priscilla Yates

1952

Helen Barney Alexander
 Mary Allison
 Judith Ruth Ball
 Marilyn Fern Baum
 Edith Bunnell Bennett
 Mary Crawford Bigelow
 Anne Kenney Bissell
 Virginia Lee Bliss
 Dorothy Lee Booth
 Edith Moffat Bramwell
 Sheila Marilyn Brander
 Rhoda Wadhams Braun
 Harriett Ann Burnett
 Marylee Gail Burt
 May Oliver Collacott
 Margaret Jane Cotton
 Camilla Ann Cowardin
 Cordelia Glazier Creamer
 Barbara Belle Crosby
 Pauline Elizabeth Cudworth
 Polly Davis
 Janet Scott Denithorne
 Alice Anne Dunn

Frances Joan Eckhardt
 Barbara Ann Eskridge
 Carol Joan Feinberg
 Minna Stillman Feinmark
 Edith Daintry Fitzhugh
 Ann Merwin Foote
 Grizel Cochrane Forrester
 Joan Carol Freeman
 Jacqueline Pickard Frost
 Jean Elinor Fusini
 Cynthia Gale
 Clara Souther Garth
 Olive May Gibson
 Joan Margaret Giese
 Barbara Ann Gilstrap
 Joanne Ruth Gravely
 Mary Ellen Greenfield
 Sally Wurlitzer Griess
 Patricia Curtis Hamilton
 Janice Hartman
 Marjorie Stewart Hecht
 Eunice Jane Helmold
 Eleanor Thelma Herman

Maryann Beatrice Higbee	Virginia Elizabeth Plews
Margaret Herta Hildebrandt	Doris Helen Pomerance
Sarah Jay Hughes	Elizabeth Ann Powell
Doris Selma Jaffin	Myrta Gardner Robertson
Mary Helen Jones	Alma Rosenfield
Esther Jane Kelley	Claire Rosenfield
Patricia Louise Kelley	Barbara Lou Ruben
Jeannette Ann La Bombard	Jane Thorne Sagendorph
Marie-Jeanne Emilie Louise Laurent	Natalie Drusilla Samper
Joan Lavine	Doris Helene Schlosser
Ellen Bartlett Levinson	Janet Colin Schuck
Merian Hart Lovelace	Helen Pond Searls
Patricia Jean Lund	Ruth Eva Sender
Mary Elizabeth McBreen	Jeanne Vivian Shay
Jean Annette McDonald	Juliet Johnson Shouse
Margaret Ann Macdonald	Harriet Porcher Simons
Genevieve Louise McLeod	Janet Louise Stallings
Janet Adams Macomber	Jane Herries Starr
Elizabeth McCulloch Marbury	Thalia Stathas
Lilian O'Connor Jennison Marchant	Renée Alexander Stevens
Janet Mason	Margaret Watts Studdiford
Anita Muriel Meyers	Jean Warner Sturges
Amy Otis Morrissey	Carol Wilson Tucker
Margaret Morse	Sara Bryant Veale
Nancy Ellen Morse	Marjorie Walker
Marilyn Sandra Moss	Marjorie Weiner
Sarah Suzanne Nash	Sheila Ruth Wharton
Janet Catherine Noelting	Martha Ann Whiting
Dorothy Edith Oxman	Eleanor Whitridge
Virginia Fox Patterson	Anna Wood
Margaret Crosby Paul	Lucy Lawrence Worcester
Joan Frances Pines	Dorothea Martha Wormser
	Patricia Joan Wyker

DEGREES

JUNE, 1949

A.B.

Patricia Nancy Abrams	Sara Jane Anderson
Nancy Quinter Adams	Muriel Rita Atkins
Adrienne Jane Adelman	Natalie Atwood
Judith Irma Adelson	Margaret Louise Auger
Dorothy Pearl Agranovitch	Ferdinan Legaré Backer
Dorothy Parsons Albright	Heloise Lysle Bacon
Janet Gordon Aldrich	Rebecca Dare Bacon
Betty Jane Allen	†Elizabeth Anne Bain
Catharine Brown Allison	Beverly Maxwell Baird

* Elected to Phi Beta Kappa.

† Elected to Sigma Xi.

Barbara Joan Baker	Jane Anne Carpenter
*Joan Prentiss Baker	Nancy Bennett Carpenter
†Judith Elma Balise	Ruth Story Carpenter
Barbara Brooks Ball	Barbara Carter
Janet Crabbe Ballou	Priscilla Jane Carver
Elizabeth Blackwell Banks	Marietta Lou Case
Miriam Louise Barap	Gloria Angela Cassetti (Pisaneschi)
Alice Ann Barnes	Jean Louise Chandler
Beatrice Sturgis Bartlett	Sophie Chandler
†*Barbara Bates	Barbara Adams Chapin
Ann Baxter	Page Chapman
Patricia Shoemaker Beatty	Frances Ellen Chittenden
Mary Elizabeth Bench	Evangeline Chi-ming Chung
Mary Jane Bergen	Jean Clark
Carol Richard Berkley	Marian Frances Clements
Ruth Helen Bernstein	Jacqueline Lucienne Cochran
Leigh Berrien	Alma Frances Cohen
Anne Elizabeth Berry	Judith Ann Cohen
Margaret Winthrop Berry	Margaret Sabin Collette
Ruth Ellen Biloon	†*Eleanor White Collins
Mariana Blago	Nancy Gill Comey
Charlotte Winthrop Blaine	Barbara Congdon
Cynthia Blodgett	Melisande Congdon
Miriam Bloomberg	Virginia Grace Cox
Bonna Daix Boniface	Margaret Oliver Craig
Jane Carol Bortman	Joan Critchlow
Kate Albrow Bowe	Frederica Jane Cunningham
Elizabeth Sauls Bowers	Laura Hannah Curley
Rebecca Crowninshield Bradford	Artemis Damaskinos Damaskinidou
Clare Brett	Joan Barbara Davis
Anita Page Bridgman	Susanne Davis
Janet Anita Brown	Martha Helene Dawson
Carol Dean Browning	Naida Doris Deitch
Jean Francis Bryant	Louise Scott Deitz
Phyllis Helene Buckley	Joan Deming
Eleanor Pillsbury Buell	Beverly Ann Denkert
Barbara Anne Bumstead	Beatrice Inglee Dewson
Vilma Elise Bungenstab	Anne Gilbert Dudley
Mary Louise Burditt	Henrietta Stanfield Dunn
Barbara Burlin	Jean Morrow Dunn
Elinor Prudden Burns	Barbara Rowe Eckhardt
Elizabeth Holliday Burpee	*Mary Oliphant Eckman
Vernon Burrows	Jean Chisholm Eells
Doris Elizabeth Burwell	Dorothy Leah Ellis
Gillian Henriette Butler	Judy Anne Emil
Patricia Cathleen Cahill	Josephine Susan Emory
Patricia Kathryn Callahan	Nancy Anne English (Baker)
†Virginia Roberdeau Callery	Florence Angela Fagioli
Shirley Willett Campbell	Pamela Joyce Faulkner
Helen Carlson	Ella Feldman

Betsy Gray Ferguson	Ann Elizabeth Hutchinson
Virginia Anne Ferguson	Marion Louise Jackson
Carol Betsy Filler	Joan Betty Jacober
Mary Lee Finn	Nancy Dixon Jarvis
Betty Joyce Fischler	Mildred Jeanmaire
Joanne Hermione Fistere	*Anne Lavinia Jenks
Joan Fletcher	Patricia Ann Jerome
Helene Joyce Frankel	Dorothy Franklyn Jones
Sarah Wistar Morton Frantz	Jean Lois Jones
†Joan Stuart Frayn	Marilyn Joslin
Diana Christine Fredericks	Francesca Judkins
Carolyn French	Mona Judson
Joan E. Friedlander	Dorothy Elizabeth June
Anne Katherine Frisby	Alice Katharine Kaltenback
Emily Gilman Fuller	Mary Alice Kean
Susan Todd Gabriel	Ann Elizabeth Keating
Monica Blodgett Gaillard	Holly Keys
Janet Humphrey Gauss	Lucie Augustin Kennerdell
Sabina Elizabeth Gildemeister	Helen Louise Kiddoo
Ghislaine Gindorff	Louise Theresa Fenton Kiely
Ellen Goodell	Melicent Ames Kingsbury (Whinston)
Dorothy Anne Green	Virginia Frances Knapp
Nancy Kingston Green	Nancy Harrison Kuhn
Nancy Ann Greer	Marcia Arline Kutz
Ann Teresa Griffin	Susanne La Croix
Hannah Webster Griffith	Mary Ladds
Jean Gage Guthrie	*Olive Virginia La Guardia
Joanne Florence Hamilton (Miron)	Mary Lois Laub
Martha Carolyn Handley	Barbara Hazard Leavell
Mary Elizabeth Hapgood	Gayle Lee
Jean Collins Harris	Julia Rensselaer Lee
Naomi Carolyn Hartman	Joan Ruth Levine
Elizabeth Clarissa Hays	Harriet Mildred Levy
Margaret Neale Heard	Barbara Janet Lieberman
Amelia Thompson Heilbron	Mary Alice Linehan
Glenda Heilman	Marjorie Hillas Lithgow
Anne Veronica Henderson	*Steffi Ruth Loewenstein
Lois Carolyn Hertz	Alice Elizabeth Ludlow
Barbara Ann Hillas	Ann Lukach
Margaret Jeannette Hochschild	Paula Lyman
Linda Jane Hodgson	Helen Cornell McCooey
Penelope Lancaster Holden	Martha McCormick
Elizabeth Kent Holt	Sally Evelyn McCrillis
Ella Platt Hornickel	Margaret McDougall
Joan Hotchkis	Anne Macfarlane (Jones)
Janet Margaret Houley	Alison Mackenzie
Virginia Lee Howeth	Mary Craig McLane
Shirley Jean Hull	Hollis Louise McLaughlin
Frances Hunttoon	Eula Marie Caroline McNerney
Priscilla Hurd	Abigail Macomber

Nancy Mahn
 Cynthia Winship Manchee
 Elizabeth Howe Marshall
 Nancy Marshall
 Phyllis Jane Martin
 †*Eleanor Louise Matsis
 Katharine Lathrop Mayer
 Harriet Louise Means
 *Frances Ravenel Menefee
 Sarah Jane Merrill
 Anna Mary Miles
 Brenda Millar
 Margaret Harrison Miller
 †*Mary-Clare Milligan
 Marjorie Munson Mills
 Janet Mitchell
 Victoria Irene Mitchell
 Jean Katharine Mollison
 †Marian Emilie Molthan
 *Sylvia Field Morse
 Lea Morton
 Mary Morton
 Gloria Mary Moscatelli
 Alice Mason Mumford
 Eleanor Carroll Munro
 Joan Murdoch
 Margaret Trowbridge Murray
 Sylvia Newbury
 Elizabeth Jane Newell
 Naomi Newell
 *Carol Rita Newton
 *Genevieve Nichols
 Margaret Wilber Noe
 Norma Nones
 Anne Johns Norris
 Nancy Dudley Nussbaumer
 Priscilla Mary Nye
 Suzanne Elizabeth Olander
 Helen Irvin Michalina Openchowska
 Joan Bodkin Orr
 Helen Esther Pace
 Mary Jane Park
 Eleanor Pass
 Katherine Whitney Payne
 Sara Pease
 *Flavia Domitilla Pediconi
 Helen Patricia Pels
 Elizabeth Winning Pendergast
 Hellen Eva Perrin
 Joanna Pfaff

Rosemary Ellen Phelan
 Katharine Louise Piper
 Patience Ann Place
 Ann Dorothy Podoloff
 Mary Taylor Pryor
 Ritva Alli Inkeri Putkonen
 Patricia Bennett Pyncheon
 Margery Claire Quitzau
 Patsy Joan Rabinowitz
 Judith Ann Raskin (Raskin)
 Joan Margaret Rawitser
 *Caroline Elizabeth Reed
 Cecelia Ann Reed
 *Kathryn Virginia Reed
 Elizabeth Louise Reeve
 Ada Frances Risley
 Suzanne Franklin Robbins
 Virginia Roberts
 Genevieve Elizabeth Robertson
 Jean Etoile Robinson
 Sarah Campbell Robinson
 Alice Ross Rogers
 Judith Rogers
 Caddy Arden Rowan
 Jane Joyce Rubenstein
 Jean Morrison Ruffin
 Elisabeth Ann Ruggles
 Nancy Cynthia Russell
 Susan Elizabeth Ryan
 Suzanne Lee Rykken
 Cynthia West Safford
 Mary Montgomery Salisbury
 Elizabeth Lane Sawyer (Haines)
 Cynthia Le Baron Schoen
 Beverley Bradford Schweppe
 Bernice Victoria Sciorra
 Alice Ann Scott
 Anne Eugenia Scripture
 †Ruth Margaret Scully
 Eva Louise Seely
 Suzanne Seixas
 Hilda Shamash
 *Adlyn Anne Shannon
 Mary Ellen Shannon
 Beverlee Muriel Shapiro
 Barbara Frances Sharpe
 Audrey Elizabeth Sherberg
 Sonia Shiragian
 Jane Louise Shirley
 Sallie May Showalter

Elizabeth Capps Siefkin	Janet Tucker
Barbara Ann Singer	Molly Tulin
Elsie Marie Sjostedt	Prudence Ayer Turgeon
Barbara Anne Smith	Sarah Jane Turner
Margery Page Smith	Barbara Helen Ungerleider
Nancy Winchester Smith	Jean Chilton Utter
Patricia Ann Smith	Jean Elizabeth Valentine
Sara Davidson Smith	†*Jessie Van Baalen
Estelle Virginia Somers	Gretchen Van Horn
Elisabeth Lee Spencer	†Natalie Iris Veit
Margaret Erskine Spencer	Susan Wagner
Rosemary Sprague	Martha Jean Wallingford
Patricia Ann Spring	Eleanor Paine Walls
Penelope Stewart Spurr	Dorothy Walton
*Elizabeth Manby Starck	Suzanna Hampson Waterman
Elizabeth Ann Stephens	Marian Cannon Watt
Barbara Jane Stephenson	Beatrice Weeks
Marcia Tapley Stephenson	Mary Lynne Weil
Mary Otis Stevens	Carol Porter Weiner
Marjorie Stitt	Marcia Theresa Weiser
Natalie Joan Stolk	Charlotte Rose Welles
Ann Bard Stopp	Esther Charlotte Wennerblad
Charlotte Barton Streeter	Merideth Thompson White
Joanne Strelsin	Priscilla Brooks Whitehouse
Harriet McClure Stuart	Rosemary Wieler
Rose Sui Hwa Sun	Helene Wiener
Elizabeth Allen Swift	Joan Williams
Alice Joan Taylor	Mary Ann Willming
Mary Isabelle Teal	Lucy Peters Wilson
Constance Thayer	Katherine Miller Woodruff
*Marian Jane Thomas	Catherine McGowan Woods
Marilyn Audrey Thorner	Margaret Joan Woodside
Sara Tiedeman	Harriet Irma Woodworth
†*Doris Jean Todd	Mary Gibb Wurtele
Janice Weller Tompkins	Elizabeth Campbell Wyman
Dorothy Chapman Tremaine	Grace Wyshak
Carolyn Lila Trockman (Goldman)	Rachel Zilber
Suzanne Ellen Troxell	Josephine Zylawski

Cum laude

Joyce Bainton (History)
 Anna Ella Bush (Hart) (History)
 Doris Angela Doehler (Music)
 †Marta Margarita Freyre de Andrade (Chemistry)
 Barbara Josephine Hunter (English)
 Louisa Alcott Kussin (History)
 Mary Ellen Lee (History)
 Charlene Marie Leonard (History)
 Evelyn Leah Lipshires (English)

†*Joanne Lloyd-Jones (Education)
 Jane Elizabeth Matern (Philosophy)
 Marilyn Sturges Mills (English)
 *Judith Laura Mogil (History)
 Nancy Sylvia Nore (Psychology)
 *Geraldine Edna Roth (English)
 *Jo Ann Smith (Psychology)
 Harriet Jean Stix (American Studies)
 Muriel Josephine Vogel (Sociology)
 *Anne Elizabeth Wallace (English)
 Ruth Elizabeth Wilgus (English)

Magna cum laude

*Joan Lorelei Auer (English)
 *Lucy Landon Black (Economics)
 Joan Blumenthal (Government)
 †*Helen Elizabeth Conners (Mathematics)
 Martine Darmon (English)
 *Rhoda Mary Dorsey (History)
 Nancy Gennes (English)
 *Mary Thérèse Harris (Spanish)
 Ann Duke Hughes (Economics)
 †*Valerie Young Knowlton (Zoology)
 *Lois Carol Leggett (German)
 *Sylvia Wheeler Short (Theatre)
 *Alice Mary Fairbank Smith (American Studies)
 Lucy Staton (History)
 Maxine Anita Steinman (Russian Literature)
 †Catherine Stevens (Physics)
 Caroline Stewart (Economics)
 Julia Horner Thornton (Physics)
 *Thetis Aphrodite Touliatou (Government)
 *Lydia Mildred Tyler (English)

Summa cum laude

*Renée Claire Fox (Sociology)
 *Lois Katherine Green (History)
 *Dorothy Reich (English)
 *Eileen Patricia Rooney (Art)
 *Dorothy Roberta Strang (Bordes) (Sociology)
 *Rosamond Gale Tryon (English)
 *Natalie Ann Zemon (Davis) (History)

CLASS OF 1950 (ACCELERATED)

Janice Roslyn Rubman

AS OF THE CLASS OF 1947

Polly Gaylord Parsons

AS OF THE CLASS OF 1948

Sally Ann Godard
Ladonna Mary Pedersen
Virginia Wingate

CERTIFICATE OF GRADUATE STUDIES

Suzanne Léonie Landré, Lic. ès L. 1947 and Diplôme d'Études Supérieures 1948
University of Paris. English.

Vivien Wong-Quincey, B.A. 1945 St John's University (Shanghai). English.

M. S. IN PHY. ED.

Donna Keith Barrand, A.B. 1947 Lake Erie College.

A Survey of Physical Activity Programs in Selected Mental Hospitals.

Jean Elizabeth Harper, B.S. 1946 Mary Washington College of the University of Virginia.

A Comparative Study of American Country Dance with Foreign Folk Dance in Colleges and Universities of the United States.

Doris May Keefer, A.B. 1941 and Diploma in Physical Education 1942 Smith College.

A Study of Changes in Official Rules of Selected Team Sports for Women and the Effect of These Changes upon the Teaching of Fundamental Techniques of the Sports.

Margaret Chase Locke, Jr., A.B. 1947 Earlham College.

A Study of Changes in Age, Weight, Height, and Physical Activity Ratings of Freshmen at Smith College from 1928 through 1948.

Mary Pavlich, B.S. in Ed. 1948 University of Arizona.

The Validation of a Battery of Basket Ball Tests in a Teaching Situation.

Jean Ryder, B.S. in Phy. Ed. 1945 Boston University.

A Study of the Methods of Teaching Synchronized Swimming in Colleges and Universities in the United States.

Helene Savad, A.B. 1948 Brooklyn College.

The Establishment and Evaluation of a Grading Scale for Fundamental Movement.

Madeline Regina Somers, A.B. 1942 Chestnut Hill College.

A Comparative Study of Participation in Extracurricular Sports and Academic Grades.

Grace Elizabeth Staples, A.B. 1947 De Pauw University.

The Relationship of Camp Experience to the Leisure Time Interests of Smith College Sophomores.

Dorothy Ann Thompson, B.S. Education 1947 Georgia State College for Women.

A Study of Anteroposterior Postural Deviations of Smith College Students.

ED. M.

Thelma Braverman, A.B. 1948 Brooklyn College.

Martha Velma Buchman, A.B. 1947 Oberlin College.

Frances Jereldine Carlen, B.A. 1948 Vanderbilt University.

Bettie Lew Root, B.A. 1947 University of Texas.

Geraldine Frances Roy, B.S. 1945 Skidmore College.

Bernice Rita Shure, A.B. 1947 Brooklyn College.

A.M.

- Chryssa George Andreadou, Diploma 1940 Pierce College, Certificate of Higher Studies 1945 French Academy (Athens). Theatre.
 A Comparison of *The Infernal Machine* by Cocteau with Sophocles' *Oedipus Tyrannus*.
- Rachel Marion Barker, A.B. 1945 Bennington College. Geology.
 An Areal Study and Petrographic Description of the Triassic Igneous and Sedimentary Rocks of the Black Rock Area, South Hadley, Massachusetts.
- Robert Harrison Baron, B.S. 1943 University of Illinois. Theatre.
 A Plan for the Use of Prefabricated Aluminum Sectional Units as a Means of Rendering More Effective the Construction and Use of Framed Scenery for the Stage.
- Dorothy Olga Berude, A.B. 1948 Smith College. History.
 Georg Gottfried Gervinus: a Nineteenth-Century Historian and His Contribution to German Liberalism.
- Helen Mary Bokina, A.B. 1940 Smith College. Music.
 The Polonaise in German Keyboard Music from the Time of J. S. Bach through F. Schubert.
- Elizabeth Ann Bowler, B.S. 1948 Bucknell University. Chemistry.
 Morphine Studies. V. An Investigation of the Structure and Properties of a New Spiro-Keto Anhydride and Some Related Substances.
- Miriam Waldron Brainard, A.B. 1929 Oberlin College. Psychology.
 A Study of Self-evaluating Attitudes. An Analysis of the Responses to Self-Inventories Measuring Adjustment and Personality Traits.
- Elizabeth Thompson Bunce, A.B. 1937 and Diploma in Physical Education 1940 Smith College. Physics.
 The Reconditioning and Use of the Mobile Laboratory for Air Blast Measurements at the Naval Ordnance Laboratory.
- Margaret Claire Caron, A.B. 1946 Hunter College of the City of New York. English.
 New Emphasis on the Relationship between Thomas More's *History of Richard III* and Shakespeare's *Richard III*.
- Maureen Elizabeth Charles, B.A. 1948 Girton College. Geology and Geography.
 The Maximum Post-Pleistocene Marine Level of Maine.
- Ethel Rita Currier, A.B. 1948 Hunter College of the City of New York. Music.
 Johann Pezel (1639-1694) and the *Stadt-pfeifer* Tradition, with Representative Works Edited for Modern Performance.
- Sylvia De Antonis, B.S. 1947 College of St Rose. Chemistry.
 Morphine Studies. IV. Some Synthetic Intermediates.
- Maki Dhunjibhoy, B.A. 1947 D. J. Sind College. English.
 The Theme of Guilt and Retribution in the Prose Fiction of Thomas Hardy.
- Ann Donaldson, B.S. 1947 Bucknell University. Chemistry.
 A Study of the Structure of the Sesquiterpene, Copaene. The Synthesis of a Degradation Product of Copaene.
- Dorothy Louise Downing,* A.B. 1947 Oberlin College. French.
La Nouvelle colonie ou La Ligue des femmes de Marivaux et le féminisme en France au début du XVIII^e siècle.

* As of 1948.

- Dorothy Hollis Driscoll, S.B. 1946 Radcliffe College. Zoology.
A Preliminary Investigation of Some of the Factors Determining Vegetational Units and Avian Fauna at the Arcadia Wildlife Sanctuary.
- Ann Henrietta Fairley, B.A. 1948 University of Toronto. Physics.
An All-Metal Mass Spectrometer for Bond Energy Measurements.
- Catherine Ann Gardella, A.B. 1947 Hunter College of the City of New York. Plant Genetics.
Style Environment as a Factor in Incompatibility of Interspecific Crosses of *Datura*.
- Martha Goldstein,† A.B. 1948 Brooklyn College. Mathematics.
The Jacobson Radical of an Arbitrary Ring.
- Rita Kathleen Harrigan, A.B. 1947 Barnard College. History.
The Northampton Academy of Music: the First Municipal Theatre in the United States.
- Hilda Hsi-Teh Hsieh,† B.S. 1946 National University of Amoy. Physics.
The Ultraviolet Absorption Spectra of the Hydroxyl Groups in Some Associated and Unassociated Organic Molecules.
- Virginia Helen Johnston, A.B. 1947 Smith College. Education and Child Study.
A Comparative Study of Educational Guidance Programs and Procedures in Several Selected Large and Small Public High Schools in Western Massachusetts.
- Joan Kazanjian, A.B. 1947 Radcliffe College. Zoology.
A Survey of Some of the Blood Parasites of Birds Trapped at Arcadia Wildlife Sanctuary during the Fall Months of 1948.
- Miriam Ilgovsky Leveton, B.A. 1946 American International College. Psychology.
The Effect of Lobotomy on Persistence of Behavior.
- Marjorie Elene Magner, B. Sc. in Ed. 1943 University of Omaha. Education and Child Study.
A Study of Ten Deaf Children with Play Problems and the Development of an Activities Library for the Partial Meeting of Their Needs.
- Frederick Dennis Meehan, B.A. 1936 Williams College. Education and Child Study.
The Growth and Development of the Parochial School System in Northampton, Massachusetts, 1891-1949.
- Claude Albert Namy, A.B. 1947 Haverford College. English.
Violence in Contemporary Fiction: Montherlant — Hemingway — Malraux.
- Johnny Fae Nelson, A.B. 1943 Baylor University. Theatre.
The Basic Issue of the Orestes Myth as Interpreted by Aeschylus in the *Oresteia* and by Jean-Paul Sartre in *Les Mouches*.
- Ero Nicolaidou, B.A. 1948 Wells College. English.
The Influence of George Eliot's Personality on Some of Her Characters.
- Florence Louise Palmer, B.S. 1947 University of Maine. Chemistry.
The Reaction of Dihexyl Cadmium Reagent with Substituted Aromatic Ketones.
- Lucy Tseng-hsiang Pang, B.A. 1945 St John's University (Shanghai). Education and Child Study.
A Review of Some of the Arguments and Evidence for and against Coeducation at the Secondary Level: a Study Suggested by the Recent Controversy over Coeducation in China.

† With distinction.

- June Still Perry, A.B. 1948 New Jersey College for Women. French.
 Le Thème de l'adolescence dans *Les Thibault* de Roger Martin du Gard.
- Helen Edna Poterala, A.B. 1947 Smith College. Music.
 Changing Aspects of Stravinsky's Orchestration.
- Marian Amelie Quick, B.A. 1941 Pennsylvania State College. Education and Child Study.
 A Speech Perception Test to Measure the Achievement of Young Deaf Children in Acoustic Training.
- Sarah Anderson Richards, A.B. 1944 Vassar College. Theatre.
 Designs for a Modern Production of the York Nativity Play.
- Pamela Helen Mary Rothwell,* B.A. 1947 St Hugh's College (Oxford). Physics.
 Design of an Apparatus for the Study of the Absorption of Cosmic Ray Mesons.
- Doris Silk, A.B. 1948 Queens College. History.
 From Pacifism to Nationalism: the French Intellectual Youth between 1905-1914.
- Babette Solomon, A.B. 1945 Smith College. Plant Genetics.
 An Inhibitor in Autoclaved Malt Preventing the *in vitro* Growth of *Datura* Embryos.
- Josette Marie Spigolis, Lic. ès L. 1947 University of Aix-Marseille. English.
 William Faulkner: a Study in Novelistic Technique.
- Margaret Melicent Anne Raban Vince, B.A. 1946 University of New Brunswick. History.
 Sir William Van Horne and Canadian Economic Relations in the Caribbean 1900-1915.
- Jane House Wallace, A.B. 1947 Smith College. Geology and Geography.
 A Petrographical and Petrological Study of the Anorthosite, Grenville Sediments, and Diabase at Mountain Pond, Franklin County, New York.

PH.D.

- Prakash Chandra Joshi, B.Sc. 1933 Government College (Lahore), M.Sc. 1934 The University of the Panjab. Plant Genetics.
 A Comparative Study of Two Intergeneric Hybrids, *Datura innoxia* Mill. x *Brugmansia suaveolens* Humb. & Bonpl. and *Datura innoxia* Mill. x *Brugmansia rosei* Saff., and Their Parents. Self-Sterility in Three Species of *Brugmansia* Pers.
- Roberta A. Stewart, B.S. 1944 University of New Hampshire, A.M. 1946 Smith College. Chemistry.
 Syntheses in the Direction of Morphine and Related Substances.

AUGUST, 1949

M.S.S.

- Frances Mildred Myers Ackerman, A.B. 1947 Northeastern University.
 The Effectiveness of a Caseworker in a Day Nursery.
- Edith Lindley Adams, B.A. 1924 Woman's College of the University of North Carolina.
 Direct Casework Treatment of Hospitalized Psychotic Patients.
- Jane Fowler Affleck, B.A. 1928 The Ohio State University.
 Applications Accepted by a Family Service Agency,

* As of 1948.

Agnes Kaminski Alvord, B.A. 1925 St Lawrence University.

Social Service Assistance for Relatives of Adult Patients in an Outpatient Clinic.

Hazel Alma Augustine, A.B. 1927 New Orleans University, M.A. 1941 Hartford School of Religious Education.

Casework on Community Therapy Wards.

Helen Patton Balbirnie, B.S. in Ed. 1940 Bucknell University.

Factors Predictive of Withdrawal from Psychiatric Treatment.

Ruth Ballard, B.S. in Home Economics 1936 University of Georgia.

Factors Contributing to Return of Clients.

Pauline Athena Bays, A.B. 1931 University of Pittsburgh.

The Treatability of Children of Psychotic Mothers.

Anne Katherine Beitler, B.A. 1937 Duquesne University.

Egotism and Neurosis.

Katherine Blair Bell, B.S. in J. 1931 Northwestern University, M.A. 1934 University of Alabama.

The Children's Institution and Clinic Treatment.

Mildred Luetta Blair, B.Sc. in Soc. Adm. 1942 The Ohio State University.

Criteria for Screening Applications to a Mental Hygiene Clinic.

Hasseltine Chaplin Brill, A.B. 1946 Cornell University.

Social Service Index Registrations of a Child Guidance Clinic.

Elizabeth Margaret Stuart Burnett, B.A. 1942 Royal Holloway College.

The Adolescent Girl's Adjustment in an Institution.

Eleanor Kathleen Burton, A.B. 1930 Drake University.

Acceptance and Rejection of Treatment at a Child Guidance Clinic.

Carol Louise Chandler, A.B. 1945 Connecticut College.

The Use of Special Techniques in the Treatment of Learning Difficulties.

Stella Coulalis Chivers, A.B. 1947 Queens College.

Adjustment of Clients to Reassignment.

Patricia Alona Collins, A.B. 1946 Vassar College.

Adoptive and Own Mothers in a Child Guidance Clinic.

Alice Roberta Cornelison, A.B. 1940 Vassar College.

Money and Adolescents.

Jean Young Crawford, B.S. 1948 Columbia University.

What Are Adolescents Like? A Comparison of Fact and Fiction.

Phyllis Neville Crawshaw, A.B. 1943 Pembroke College in Brown University.

Selection of Psychiatric Inpatients for Social Service.

Barbara Davis, A.B. 1944 Smith College.

Children's Response to Tonsillectomies: Maternal Attitudes as Influential Factors.

Teresa Pelagia Domanski, B.S. in Ed. 1926 and A.M. 1929 University of Pennsylvania.

The Elderly Patient Leaves the Mental Hospital.

Ellen Dorothy Doran, A.B. 1944 University of Illinois.

The Adjustment Problems of Children of Psychotic Parents.

Lila Eig, B.S. 1947 New York University.

The Only Child and His Parents.

Mary Carter Faust, B.A. 1945 University of Wisconsin.

The Parents' Role in a Child's Residential Treatment.

Gabriella Maria Frizzo, B.S. in Rural Public Welfare 1931 University of Missouri.
Correspondence as a Casework Tool.

- Julie Beverly Gossin, B.A. 1937 Alfred University.
The Treatment of Delinquents in a Child Guidance Clinic.
- Marguerite Geraldine Green, B.S. 1938 University of Minnesota.
Treatment of Superior Children by a Traveling Clinic.
- Kathryn McClelland Haverstick, A.B. 1936 Mount Holyoke College.
Value of an Interagency Case Conference.
- Mary Grace Hines, B.A. 1947 University of Washington.
School Referrals of Adolescents to a Child Guidance Clinic.
- Frances Natsuko Katase, A.B. 1946 Heidelberg College.
Use of the Social Service Exchange by a Child Guidance Clinic.
- Janet Katherine Kennedy, A.B. 1945 Pennsylvania College for Women.
Factors Relating to Breaking Treatment.
- Sarah Frances Zicafoose Kleinman, A.B. 1945 Berea College.
Intelligence as a Factor in Child Guidance Clinic Treatment.
- Julia Anne Kohler, A.B. 1944 Mary Baldwin College.
Relationship of Social Service to Manual Arts Therapy.
- Amy Reid Nebinger Leisher, B.S. 1931 University of Minnesota.
Applicants Receiving Brief Service in a Family Agency.
- Belle Faithe Sommer Lipsett, A.B. 1944 University of Omaha.
Outcome of Referrals Made by a Child Guidance Clinic.
- Mary Nitschke MacKay, A.B. 1934 Colorado State College of Education.
Length of Treatment in a Child Guidance Clinic.
- Barbara Julia McNeil, A.B. 1944 College of New Rochelle.
Social Work with Patients of a Veterans Administration Clinic.
- Lillian Puretz Mark, A.B. 1930 Marywood College.
Trends in Intake at a Guidance Institute.
- Janet Rose Matthews, B.Sc. in Edu. 1947 The Ohio State University.
Culture Conflicts in Jewish Adolescent Girls.
- Dorothy Eva Capella May, B.A. 1945 University of Buffalo.
Use of Volunteers in Conjunction with Psychotherapy.
- Thais Amelia Morris, B.A. 1940 and M.S.W. 1943 Tulane University of Louisiana.
Factors Associated with Willingness to Pay for Child Guidance.
- Mildred Monica Newman, A.B. 1947 Blue Mountain College.
A Clinical Hypothesis about Reading Disability Cases.
- Grace Katherine Nicholls, B.A. 1938 University of Toronto.
The Analysis of a Casework Method.
- June Plunkett, A.B. 1947 Randolph-Macon Woman's College.
Clinic Treatment of Preschool Children.
- Marjorie MacEwen Ross, B.A. 1941 University of Manitoba.
Stuttering and the Preschool Child.
- Margaret Mary Ryan, A.B. 1929 University of Cincinnati.
Financial Needs of Hospitalized Veterans.
- Beverly Winifred Schiffman, A.B. 1945 Brooklyn College.
Studies of the Unmarried Mother: A Comparative Analysis.
- Edith May Sherman, A.B. 1940 Brooklyn College.
A Comparison of Rorschach and Treatment Findings regarding Personality.
- Mary Golden Sipes, A.B. 1936 Wittenberg College, A.M. 1937 University of Pennsylvania.
One-Interview Cases in a Family Agency.

Helen Marjorie Smith, B.A. 1933 Seton Hill College.

Parental Attitudes toward Dull and Bright Children.

Suzanne Jane Miller Vernet, B.S. 1943 Indiana University.

Acceptance of Adolescents for Treatment by a Family Service Agency.

Margaret Anne Walsh, B.E. 1939 St Cloud State Teachers College.

Factors Determining the Readmission of Mentally Ill Patients.

Anchen Wang, B.A. 1946 Ginling College.

Elementary School Children with School Problems.

HONORARY DEGREES

June, 1949

A.M.

Harriet Larned Hunt

Mus. D.

Sophie Drinker

Sc. D.

Martha May Eliot

L.H.D.

Eleanor Shipley Duckett

LL.D.

Herbert J. Davis

Margaret Sanger

George Stanley Stevenson

October, 1949

Sc.D.

Gerty Theresa Cori

L.H.D.

María Elena Rincón

LITT. D.

Mary Ellen Chase

LL.D.

Bodil Begtrup

Charlotte Béquignon-Lagarde

Sarah Gibson Blanding

Helen Maud Cam

Margaret Clapp

Eleanor Roosevelt

Margaret Chase Smith

Barbara Ward

Princess Wilhelmina

SUMMARY OF STUDENTS IN COLLEGE

Freshman Class (1953)	577
Sophomore Class (1952)	577
Junior Class (1951)	531
Senior Class (1950)	500
Graduate Students	127
Nonresident Fellows	11
Noncollegiate Students	12
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Total in the Winter Session	2335
School for Social Work	288
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Total	2623

SCHEDULE OF MIDYEAR EXAMINATIONS FOR THE YEAR 1949-50

This schedule should be consulted before courses are elected.

The term "sectioned course" as used in this schedule means a course in which there are no hours of meeting in common for all the students of the course.

Examinations for courses not included will be arranged before the examination period.

	Wednesday, Jan. 25	Thursday, Jan. 26	Friday, Jan. 27	Saturday, Jan. 28	Monday, Jan. 30
8:00-10:20	All classes scheduled for Th F 4 except sectioned courses	All classes scheduled for W Th F 3 except sectioned courses	French 22	All classes scheduled for W Th F 2 except sectioned courses	Music 11 Music 21
10:30-12:50	All classes scheduled for M T W 12 except sectioned courses	Psychology 12	All classes scheduled for Th F S 11 except sectioned courses	Speech 11a Speech 14	All classes scheduled for Th F S 9 except sectioned courses
2:30-4:50	Mathematics 12 Mathematics 13 Mathematics 21	All classes scheduled for M T W 11 except sectioned courses	Economics 21	All classes scheduled for M T W 9 except sectioned courses	Italian 11b Spanish 11 Spanish 11b Spanish 12 Spanish 16 Spanish 25

SCHEDULE OF MIDYEAR EXAMINATIONS FOR THE YEAR 1949-50—Continued

	Tuesday, Jan. 31	Wednesday, Feb. 1	Thursday, Feb. 2	Friday, Feb. 3
8:00- 10:20	All classes scheduled for Th F S 10 except sectioned courses	Hygiene 11a Philosophy 24	Philosophy 11	Physics 11 Physics 12 Theatre 12
10:30- 12:50	All classes scheduled for Th F S 12 except sectioned courses	All classes scheduled for M T W 10 except sectioned courses	All classes scheduled for M T W 2 except sectioned courses	French 11b French 12 French 13 French 16 French 26 French 311a
2:30- 4:50	German 11 German 11b German 12 German 26 Russian 11b	All classes scheduled for M T 4 except sectioned courses	History 11 Government 37	All classes scheduled for M T W 3 except sectioned courses

SCHEDULE OF FINAL EXAMINATIONS FOR THE YEAR 1949-50

This schedule should be consulted before courses are elected.

The term "sectioned course" as used in this schedule means a course in which there are no hours of meeting in common for all the students of the course.

Examinations for courses not included will be arranged before the examination period.

	Friday, May 19	Saturday, May 20	Monday, May 22	Tuesday, May 23	Wednesday, May 24
8:00-10:20	All classes scheduled for M T W 11 except sectioned courses	Hygiene 11b Philosophy 24	All classes scheduled for Th F S 12 except sectioned courses	All classes scheduled for W Th F 2 except sectioned courses	All classes scheduled for M T W 12 except sectioned courses
10:30-12:50	Psychology 12	All classes scheduled for M T 4 except sectioned courses	All classes scheduled for Th F S 10 except sectioned courses	Speech 21b	All classes scheduled for Th F 4 except sectioned courses
2:30-4:50	All classes scheduled for W Th F 3 except sectioned courses	All classes scheduled for M T W 10 except sectioned courses	German 11 German 11b German 12 German 26 Russian 11b	All classes scheduled for M T W 9 except sectioned courses	Mathematics 12 Mathematics 13 Mathematics 21

SCHEDULE OF FINAL EXAMINATIONS FOR THE YEAR 1949-50—Continued

	Thursday, May 25	Friday, May 26	Saturday, May 27	Monday, May 29
8:00-10:20	All classes scheduled for Th F S 11 except sectioned courses	All classes scheduled for Th F S 9 except sectioned courses	History 11 Government 37	French 11b French 12 French 13 French 16 French 26 French 311b
10:30-12:50	French 22	Music 11 Music 21	All classes scheduled for M T W 2 except sectioned courses	Physics 11 Physics 12 Theatre 12
2:30-4:50	Economics 21	Italian 11b Spanish 11 Spanish 11b Spanish 12 Spanish 16 Spanish 25	Philosophy 11	All classes scheduled for M T W 3 except sectioned courses

INDEX

- Absence
 - because of Illness, 43, 44, 65, 66, 67
 - from Examinations, 43, 66
- Acceleration, 68
- Administrative Officers, 7
- Admission to College, 60
 - Foreign Examinations, 62
 - March Examinations, 61
 - Regents' Examinations, 60
 - Requirements, 60-64
 - Advanced Standing, 60, 63
 - Graduate Students, 157
 - Noncollegiate Students, 64
- Advisers
 - Faculty, 33, 73
 - Major, 70, 73
- Alumnae Association Officers, 34
- American Studies Major, 154
- Architecture and Landscape Architecture
 - Courses, 78, 80, 84
 - Major, 154
- Art Courses, 76
 - Entrance Requirements, 62
- Astronomy Courses, 81
- Attendance, 65, 66
- Auditors, 64, 74
- Bacteriology Courses, 119
 - Major, 155
- Bible Entrance Requirements, 63
- Biblical Literature Courses, 140
- Bills, 43, 44
- Blanket Tax, 45
- Board, 44, 52, 161, 163
- Botany Courses, 83
- Buildings, 57-59
- Calendars
 - College, 5
 - Yearly, 4
- Certificate for Foreign Students, 161
- Chemistry Courses, 86
- Child Study Courses, 94
- Classics Department, 88
- College Ability Test, 63
- College Board Regulations, 61-62
- Committees
 - Faculty, 32
 - Trustee, 6
- Co-operative Houses, 52
- Correspondence, 2
- Course Cards, 41, 73, 74, 157
- Curriculum, 68-73
- Day School, Smith College, 29, 38
- Deaf, Teaching of the, 159
- Dean's List, 74, 174
- Degrees Conferred, 180
- Degrees, Requirements for
 - Bachelor of Arts, 63, 65, 68, 70
 - Doctor of Philosophy, 159
 - Master of Arts, 132, 158
 - Master of Education, 132, 158
 - Master of Science in Physical Education, 132, 159
 - Master of Social Science, 168
- Deposits, 41, 44, 60, 71, 163
- Diploma in Physical Education, 132, 159
- Economics Courses, 91
- Education Courses, 94
- Election of Courses, 73-74
- Elisabeth Morrow Morgan Nursery School, 30, 38
- English Courses, 97
- Entrance
 - Examinations, 60-64
 - Requirements, *see* Admission and Requirements
- Examinations
 - Absence from, 43, 66
 - Schedules, 194
- Exclusion from College, 41, 44, 68, 131
- Expenses, 42, 43, 44, 52, 163
- Faculty, 7
- Failures, 68, 131
- Fee for
 - Auditors, 64
 - Graduate Work, 163
 - Graduation, 44, 163
 - Gymnasium Suits, 44
 - Light, 42
 - Noncollegiate Students, 64
 - Practical Music, 44, 125, 128
 - Radio or Record Player, 42
 - Registration, 44, 60, 163
 - Sports, 44, 131
 - Transcripts, 44
- Fellowships, 161
- French Courses, 102
- Freshman and Sophomore Requirements, 69,

- Geology and Geography Courses, 105
 Genetics Courses, 85, 152, 153
 German Courses, 108
 Government Courses, 110
 Grades, 65, 66, 68, 72, 73, 74, 126, 160
 Graduate Record Examination, 157
 Graduate Study, 132, 157
 Greek Courses, 88, 140
 Gymnasium Suits, fee for, 44
 Heads of House, 31, 41, 43, 66
 Health, 42, 43, 60, 132, 163
 Hebrew Course, 140
 Historical Sketch, 35
 History Courses, 113
 Honors, 72, 73
 Conferred, 173, 184
 Hygiene Courses, 118
 Requirement, 69, 118
 Insurance, 42, 43, 71, 163
 Interdepartmental Courses, 75
 Interdepartmental Majors, 38, 70, 150, 154
 Italian Courses, 120
 Junior and Senior Requirements, 68, 69, 70
 Junior Years Abroad, 38, 70-72
 Language Houses, 39
 Latin Courses, 89
 Laundry, 42
 Library, 58
 Loans, 45, 53, 162
 Major, the, 70-73
 Advisers, 70, 73
 Marriage, 67
 Mathematics Courses, 121
 Minimum of Hours, 64, 68, 74, 158
 Music Courses, 123
 Entrance Requirements, 63
 Fees for Practical Music, 44, 125, 128
 National Scholarships, 52
 Naval Reserve Midshipmen's School, 39
 Noncollegiate Students, 64
 Norwegian Course, 109
 Nursery School, Elisabeth Morrow Morgan,
 30, 38
 Phi Beta Kappa Society, 56
 Philosophy Courses, 128
 Physical Education Courses, 131
 Requirement, 69, 131
 Graduate Work, 132, 159
 Physical Plant, 57-59
 Physics Courses, 134
 Physiological Chemistry Major, 155
 Portuguese Courses, 146
 Premedical Science Major, 156
 Prizes, 53-56
 Professional Schools, Preparation for, 155
 Psychology Courses, 137
 Reading Clinic, 94
 Readmission, 41, 67
 Registrar's List, 66
 Registration, 65, 66
 for Graduate Students, 157
 Religion Courses, 140
 Religious Life, 42
 Requirements for Admission, 60-64
 Art, 62
 Bible, 63
 Music, 63
 Residence, 41, 65, 68
 for Graduate Students, 160, 163
 Scholarships, 52
 Riding Fees, 44, 131
 Rooms
 Assignments, 41, 60, 163
 Furnishings, 42
 Rules for Election of Courses, 73-74
 Russian Courses, 142
 Scholars, List of, 173
 Scholarship, 65, 66, 68, 72, 73, 74
 Scholarships, 41, 45-53, 161
 National, 52
 Residence, 52
 Scholastic Achievement Tests, 61
 Aptitude Test, 61, 63
 Self-Help Bureau, 45, 53
 Shortage, 64, 68, 74
 Sigma Xi, Society of the, 56
 Signs and Abbreviations, 10, 75
 Smith College Day School, 29, 38
 Social Work, School for, 39, 164-72
 Sociology Courses, 143
 Spanish Courses, 145
 Speech Courses, 148
 Sports Fees, 44, 131
 Students' Aid Society, 45, 53, 162
 Students, Summary of, 193
 Teaching Fellows, 161
 Theatre Courses, 149
 Transcripts, 44, 64, 157
 Trustees, 6
 Tuition, 44
 for Graduate Students, 161, 163
 Free, 161
 Visitors, 2
 Vocational Office, 57
 Warnings, 68
 Withdrawal from College, 41, 44, 60, 67, 131
 Work Missed through Absence, 65
 Zoology Courses, 151

SMITH COLLEGE BULLETIN

*The
Catalogue*

1950-1951

WITH ANNOUNCEMENT OF COURSES
FOR 1951-1952

NORTHAMPTON, MASSACHUSETTS

Visitors

Visitors are always welcome at the College. Student guides, whose headquarters are College Hall 1, are available for conducting tours of the campus. Their services may be reserved in advance by application to the Board of Admission.

Candidates for admission and pre-college students are urged to secure appointments in advance with the Director or Assistant Director of Admission and, if they are interested in scholarship and self-help opportunities, with the Director of Scholarships and Student Aid.

Administrative offices in College Hall are open Monday through Friday from 9 A.M. to 4 P.M. and on Saturday until 1 P.M. At other times, including holidays, officers and staff are available only if an appointment is made in advance.

Correspondence

Inquiries of various types concerning Smith College may be made of the following officers and their staffs, either by mail or by interview. The post office address is Northampton, Massachusetts.

ADMISSION OF STUDENTS: Mrs. Ruth W. Crawford, *Director*

RESIDENCE & GENERAL WELFARE OF STUDENTS: Mrs. Sidney A. Cook, *Warden*

SCHOLARSHIPS & SELF-HELP: Miss Mary E. Mensel, *Director*

GRADUATE STUDY & FELLOWSHIPS: Miss Gladys A. Anslow, *Director*

FOREIGN STUDENTS: Miss Agnes C. Vaughan, *Chairman of the Committee*

HEALTH OF STUDENTS: Dr. Marion F. Booth, *College Physician*, Gateway House

ACADEMIC STANDING:

Miss Lois E. Te Winkel, *Dean of the Class of 1951*

Mrs. Allison W. Marsh, *Dean of the Class of 1952*

Mrs. Brewer G. Whitmore, *Dean of the Class of 1953*

Miss Marie Schnieders, *Dean of the Class of 1954*

Miss Charlotte H. Fitch, *Dean of the Class of 1955*

PUBLICATIONS: Office of the Dean

LOANS FROM STUDENTS' AID SOCIETY: Miss Eleanor T. Lincoln, 54 Prospect Street

PAYMENT OF BILLS: Mr. William A. Bodden, *Treasurer*

SCHOOL FOR SOCIAL WORK: Miss Florence R. Day, *Director*

ALUMNAE AFFAIRS: Mrs. Clifford P. Cowen, *General Secretary*, Alumnae House

PUBLIC RELATIONS & RESOURCES: Mrs. Hawley R. Willson, *Director*

TRANSCRIPTS & RECORDS: Mrs. Gladys D. Diggs, *Registrar*

TABLE OF CONTENTS

Visitors, Correspondence	2
Calendar for 1951, 1952	4
College Calendar	5
The Board of Trustees	6
Officers of Instruction and Administration	7
History of Smith College	30
Admission of Undergraduates	35
The Curriculum	39
Courses of Study	47
Interdepartmental Courses	47
Interdepartmental Majors	134
Graduate Study	138
General Information	139
The College Community	139
Expenses	144
Scholarships and Financial Aid	145
Endowed Scholarships and Prizes	147
Awards, Honors, and Degrees	154
Smith College School for Social Work	166
The Alumnae Association	171
Statistical Summary of Students	177
Midyear Examination Schedule	180
Index	182

1951

1952

JANUARY 1951

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College Calendar

SECOND SEMESTER 1950-1951

WEDNESDAY, MARCH 21, 3:50 P.M. to THURSDAY, APRIL 5, 9:00 A.M., Spring Recess
FRIDAY, APRIL 20, Meeting of the Board of Trustees
MAY 15-23, Reading Period
MAY 16, 9:00 A.M., Senior Examinations
THURSDAY, MAY 24, Free Day
MAY 25-JUNE 5, Final Examinations
WEDNESDAY, MAY 30, Memorial Day (*holiday*)
FRIDAY, JUNE 8, Meeting of the Board of Trustees
MONDAY, JUNE 11, Commencement Day

FIRST SEMESTER 1951-1952

MONDAY, SEPTEMBER 24, Registration for Freshmen
WEDNESDAY, SEPTEMBER 26, 9:00 A.M., First Chapel and Required Registration
THURSDAY, SEPTEMBER 27, 9:00 A.M., Classes begin
A DAY AFTER OCTOBER 8, Mountain Day (*holiday*)
FRIDAY, OCTOBER 19, Meeting of the Board of Trustees
WEDNESDAY, NOVEMBER 21, 12:50 P.M. to MONDAY, NOVEMBER 26, 9:00 A.M.,
Thanksgiving Weekend
TUESDAY, DECEMBER 18, 12:50 P.M. to FRIDAY, JANUARY 4, 9:00 A.M., Winter Recess
JANUARY, 14-21, Reading Period
TUESDAY, JANUARY 22, Free Day
JANUARY 23-FEBRUARY 1, Midyear Examinations

SECOND SEMESTER 1951-1952

MONDAY, FEBRUARY 4, Semester begins
FRIDAY, FEBRUARY 15, Meeting of the Board of Trustees
FRIDAY, MARCH 21, 12:50 P.M. to THURSDAY, APRIL 3, 9:00 A.M., Spring Recess
FRIDAY, APRIL 18, Meeting of the Board of Trustees
MAY 13-21, Reading Period
MAY 14, 9:00 A.M., Senior Examinations
THURSDAY, MAY 22, Free Day
MAY 23-JUNE 3, Final Examinations
FRIDAY, MAY 30, Memorial Day (*holiday*)
FRIDAY, JUNE 6, Meeting of the Board of Trustees
MONDAY, JUNE 9, Commencement Day

OPENING OF COLLEGE 1952-1953

MONDAY, SEPTEMBER 22, Registration for Freshmen
WEDNESDAY, SEPTEMBER 24, 9:00 A.M., First Chapel and Required Registration
THURSDAY, SEPTEMBER 25, 9:00 A.M., Classes begin

The Board of Trustees

BENJAMIN FLETCHER WRIGHT, PH.D. (*President*)

Northampton

ELIZABETH CUTTER MORROW, B.L., L.H.D., LL.D., LITT.D. (*Honorary Chairman*)

Englewood, N. J.

Term

expires

1951	HAROLD BOIES HOSKINS, A.B.	New York
1951	THOMAS STILWELL LAMONT, A.B.	New York
1952	MORRIS FELTON LA CROIX, M.E.	Boston
1953	LUCIA NORTON VALENTINE, A.B.	Washington
1954	FRANKLIN EDDY PARKER, JR., A.B., LL.B.	New York
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LOUISE JEWELL JENCKS	<i>Chapin House</i>
MAYBELLE KINGSBURY LITTLEFIELD, A.B.	<i>Ellen Emerson House</i>
ELIZABETH LOWRY, B.L.	<i>Tyler House</i>
MAY IRENE MCARTHUR	{ <i>Parsons House</i>
	{ <i>Parsons Annex</i>
MARION MORRELL	<i>Gillett House</i>
KATHRINE MATHILDE OCKENDEN, <i>Director</i>	<i>Davis Student Center</i>
KATHARINE MOSSER PEDICONI, A.B.	<i>Dawes House</i>
MARY STUART RAE	<i>Lawrence House</i>
SARA B. ROSENTHALL	<i>Washburn House</i>
JESSICA JENKS SAUNIER, A.B.	{ <i>Dewey House</i>
	{ <i>Clark House</i>
HELEN PRESTON SAWYER	<i>Talbot House</i>
ELEANOR K. SELTZER	<i>Baldwin House</i>
MARGARET P. SHAKESPEARE, B.S.	{ <i>Haven House</i>
	{ <i>Wesley House</i>
MARY OLIVE SLEEPER, A.B.	<i>Cushing House</i>
SHEILA BRYANT SWENSON, A.B.	<i>Henshaw Group</i>
JOSEPHINE H. TORREY	<i>Gardiner House</i>
MARIE UNGER-DONALDSON	<i>Tenney House</i>
EMILY CHAPIN WOOD, A.B.	<i>Hubbard House</i>
ELIZABETH LAIRD YOUNG, A.B.	<i>Fort Hill House</i>
PRISCILLA AMES YOUNG	<i>Jordan House</i>

[27] OFFICERS OF INSTRUCTION AND ADMINISTRATION
STANDING COMMITTEES OF THE FACULTY
ORGANIZATION OF THE COLLEGE

COMMITTEES (*elected*)

The President, the Dean, Miss Hornbeak (1951),* Miss O'Neill (1951), Mr Graham (1952), Mr Peltason (1952) (*secretary*)

TENURE AND PROMOTION (*elected*)

The President, the Dean, Mr Faulkner (1951), Miss Vaughan (1952), Miss Mohler (1953), Mr Duke (1954), Mr Larkin (1955)

TRUSTEE-FACULTY CONFERENCE (*elected*)

Mr Christian (*chairman of Faculty members*) (1951), Mr Ross (1952), Miss Lincoln (1953), Miss Elinor Smith (*Educational Policy*), Mr Duke (*Tenure and Promotion*)

ADMINISTRATIVE BOARD

The Dean (*chairman*), the Warden, the Class Deans, the Registrar, the College Physician, Mr Hill, Mr Collins, Mr Sherk

CONFERENCE

The President, the Administrative Board, five members of the Student Council, four members of the House of Representatives

BOARD OF ADMISSION

The President (*chairman*), Mrs Crawford, Mr F. Warren Wright, Miss Schnieders, Mrs Whitmore, Miss Elinor Smith (*Educational Policy*). Mr Bragdon, Miss Burt

REGISTRATION OF STUDENTS

Miss Crook (*chairman*), Miss Bunce, Miss Carl, Mrs Goss, Mr Leuchtenburg, Mr Madeira, Mr Preyer

* Date indicates end of term of service.

CURRICULUM AND GUIDANCE OF STUDENTS

EDUCATIONAL POLICY (*elected*)

The Dean (*chairman*), the President, Miss Anslow (1951), Miss Mohler (1951), Miss Elinor Smith (1951), Miss Dunn (1952), *Mr Guilloton (1952), †Miss Bornholdt (1952), Miss Bacon (1953), Miss Corwin (1953), Mr Page (1953). (*Substitute for one year: Miss Walsh. Substitute for first semester: Miss Gabel*)

BOARD OF ADVISERS

The Dean (*chairman*), Miss Bacon, Miss Barton, Miss Benjamin, Miss Borroff, Miss Bourgoin, Mr Bragdon, Miss Burt, Miss Carpenter, Mr Christian, Mr Collins, Miss Corwin, Mr Davis, Mr Duke, Miss Gabel, Miss Gasool, Mr

Graham, Miss Griffiths, Mrs Haigh, Mr Hill, Mrs Hobbs, Miss Hornbeak, Miss Kemp, Miss Kenyon, Mrs Lazerowitz, Miss Leonard, Miss Levy, Miss Lincoln, Mr McCoy, Miss Mohler, Miss Murdock, Miss Olmsted, Miss O'Neill, Mr Packard, Mr Page, Miss Peoples, Miss Ruby, Miss Sampson, Mr Schalk, Mr Sherk, Miss Sickels, Miss Siipola, Miss Silbert, Miss Elinor Smith, Mrs Van der Poel, Miss Walsh, Miss Edna Williams, Mr Kenneth Wright, Miss Ruth Young, Mrs Whitmore and Miss Schnieders (*Class Deans*)

HONORS

Miss Wilson (*chairman*), the President, the Senior Class Dean, Miss Bacon, Miss Lincoln, Mr Page (*Educational Policy*), Mr Scott, Mr Peltason

GRADUATE STUDY

Miss Anslow (*chairman*), the President, Miss Ainsworth, Mrs Holmes, Miss Rood, Miss Vaughan, Mr Wakeman, Miss Edna Williams, Mr Kenneth Wright

FOREIGN STUDENTS

Miss Vaughan (*chairman*), Miss Bourgoin, Miss Carter, Miss Chin, Miss Corwin, Miss Navarro, Miss Edna Williams, Miss Mensel (*ex officio*)

OTHER COLLEGE BUSINESS

LIBRARY

Mr Aaron (*chairman*), the Librarian, Miss Bache-Wiig, Mr Paulsen, Miss Ruby

LECTURES

Miss Lorentz (*chairman*), Mr Cantarella, Mr Robert Davis, Mr Leuchtenburg, Mr Dewey (*secretary*)

MOTION PICTURES

Mr Jules (*chairman*), Miss Saleil, Miss Schnieders, Mr Tuttle, Mrs Whitmore. *Secretary*, Mrs Cantarella

SCHOLARSHIPS

The President (*chairman*), the Dean, the Warden, Miss Mensel, Mr Bodden, Miss Griffiths, Mr F. Warren Wright, Miss Vaughan (*ex officio*)

STUDENTS' AID SOCIETY

Mrs Hobbs, Miss Lincoln

HONORARY DEGREES

Mr Parshley (1951), Mr Fisher (1952), Mrs Van der Poel (1953)

JUNIPER LODGE

Miss Carpenter (*chairman*), Miss Bache-Wiig, Miss Bryson, Miss O'Neill, Miss Vezzetti

FACULTY OFFICES

Mr Taylor (*chairman*), Miss Leland, Mr Putnam

SPECIAL COMMITTEES

HYGIENE REQUIREMENT

Mr Taylor (*chairman*), Dr Booth, Dr Scott (*secretary*), Miss Horner, Miss Robinton, Miss Schnieders (*ex officio*)

MARSHALS

Mr Willett (*senior marshal*), Mr Dewey, Miss Olmsted

CHAIRMEN OF ACADEMIC DIVISIONS

- I. The Humanities, Miss Corwin. II. Social Sciences and History, Miss Bryson.
III. Natural Sciences and Mathematics, Miss Kemp

History of Smith College

Smith College began in the conscience of a New England woman. The sum of money with which the first land was bought, the first buildings erected, and the foundations of the endowment laid, had been amassed by a man who, like many Americans, had made a fortune without any apparent ulterior purpose. He seems to have bequeathed it to his sister because he had not made up his mind what else to do with it. Sophia Smith left it for the founding of a college for women because after much perplexity, deliberation, and advice, she had concluded that thus she could best fulfill a moral obligation.

The advice had its inception in the mind of a New England minister. From John Morton Greene, Sophia Smith received suggestions which she pondered and discussed, and from among which she finally accepted that which we must acclaim as the wisest and most beneficent. The idea that Mr. Greene presented and Sophia Smith adopted is clearly expressed in a passage in Sophia Smith's will that must be regarded as their joint production, drafted by him, amended and approved by her. The language is as follows:

I hereby make the following provisions for the establishment and maintenance of an Institution for the higher education of young women, with the design to furnish for my own sex means and facilities for education equal to those which are afforded now in our Colleges to young men.

It is my opinion that by the higher and more thorough Christian education of women, what are called their "wrongs" will be redressed, their wages adjusted, their weight of influence in reforming the evils of society will be greatly increased, as teachers, as writers, as mothers, as members of society, their power for good will be incalculably enlarged.

Later, after enumerating the subjects which still form the substance of the curriculum of the college, she adds: "And in such other studies as coming times may develop or demand for the education of women and the progress of the race, I would have the education suited to the mental and physical wants of woman. It is not my design to render my sex any the less feminine, but to develop as fully as may be the powers of womanhood, and furnish women with the means of usefulness, happiness and honor, now withheld from them." She further directed that "without giving preference to any sect or denomination, all the education and all the discipline shall be pervaded by the Spirit of Evangelical Christian Religion."

NOTE:—Among the sources of this account are the historical addresses given by President William Allan Neilson on the Fiftieth Anniversary and by Ada Comstock Notestein '97 (former Dean of Smith and President of Radcliffe) on the Seventy Fifth Anniversary of the College.

When one considers what would today be regarded as the somewhat narrow and puritanical type of culture in which the authors of these sentences were living, one cannot fail to be impressed by their wisdom, liberality, and farsightedness. The general terms in which the purposes of women's education are defined are perfectly valid today. Provision is made for change of outlook and development in the scope of education. While the fundamentally religious interest of the founder is stressed, the college is kept clear of entanglement with institutional Christianity, and the only prescription is the pervading of instruction by the spirit of the gospel of Jesus Christ. This injunction has been obeyed in the past, we trust and believe it is being obeyed in the present, and there is no reason to believe that it will not be willingly and gladly observed in the future.

I

It is one thing to state an ideal and give a commission, it is another to carry them out. Laureus Clark Seelye in 1873 undertook the presidency of the new college, and in 1875 Smith College was opened with fourteen students. His inaugural address laid down the main lines of educational policy on which the new college was to run, and again it is amazing to note how little these have to be modified to describe the college of today. There is the same high standard of admission, matching that of the best colleges for men, the same breadth in the curriculum, the same emphasis on literature, art, and music. What we are less likely to note is the faith needed to establish these standards and to stick to them in an atmosphere of skepticism and ridicule.

For thirty-five years President Seelye carried the college forward. Its assets grew from the original bequest of about \$400,000 to over \$3,000,000; its faculty from half a dozen to 122; its student body from 14 to 1635; its buildings from three to 35. These figures are a testimony to his remarkable financial and administrative ability, yet they are chiefly important as symbols of a greater achievement. With few educational theories—none of them revolutionary—he had set going a process for the molding of minds and spirits of young women, had supervised the process for a generation, and had stamped upon several thousand graduates the mark of his own ideals and his own integrity.

II

It is hard to follow the king and the problem which faced President Seelye's successor was no easy one. The growth of the college had acquired a strong momentum, and numbers increased of themselves; Marion Le Roy Burton's task was to perfect the organization for taking care of these numbers. This meant the modernizing of the business methods of the administration, the improvement of the ratio of instructors to students, the raising of salaries to retain and improve the staff, the providing of more adequate equipment, and the revision of the curriculum. The seven years of his service saw the further growth of the college to over 1900 students, the increase of its assets by over \$1,000,000, and substantial progress

in educational efficiency. The business reorganization was well begun when in 1917 President Burton accepted the presidency of the University of Minnesota.

III

Now one of the largest women's colleges in the world, Smith College faced problems which it shared with both colleges and universities. President William Allan Neilson set about to develop all the advantages which only a large institution can offer, and at the same time to avoid any disadvantages which might be inherent in the size of the institution. While the number of instructors was constantly increased, the number of students was held to approximately two thousand. With the construction of further dormitories, each one of them housing sixty or seventy students in accordance with the original "cottage plan" of the founders, it became possible for all students to live "on campus." An expanded administrative system provided a separate Dean for each college class, a staff of five resident physicians, and a Director of Vocational Guidance and Placement. In addition, the curriculum was revised under President Neilson's guidance in order to provide a pattern now generally familiar in institutions throughout the country: a broad general foundation in various fields of knowledge followed by a more intensive study of a major subject.

There were other innovations. The School for Social Work resulted from a suggestion that the college give training in psychiatric social work and thus serve in the rehabilitation of veterans of World War I. The Smith College Day School and the Elisabeth Morrow Morgan Nursery School gave students in education a field for observation and practice teaching. The Junior Years Abroad, Special Honors programs, and interdepartmental majors in science, landscape architecture, and theatre added variety and incitement to the course of study.

Yet the great contribution of President Neilson's long administration did not lie in any of these achievements or in their sum. In his time Smith College came to be recognized in America and abroad not only as a reputable member of the academic community but as one of the leading colleges of this country, whether for men or women. Its position in the front rank was established. Its size, its vigor, the distinction of its faculty and the ability of its alumnae were factors in this recognition; but a certain statesmanlike quality in its President had much to do with bringing it to the fore whenever academic problems were under discussion. Wherever Mr. Neilson went, his ability to penetrate to the heart of a question helped to clarify thinking, dissipate prejudice, and foster agreement; and the College rose with him in the estimation of the educational world and of the country.

IV

The fourth administration of Smith College began, like the third, in a time of international conflict, under the cloud of wars and rumors of wars. President Neilson retired at the end of the academic year 1938-39; during the interregnum Mrs. Elizabeth Cutter Morrow served her college as Acting President, and earned

its deep gratitude. At the opening of the year 1940-41, President Herbert Davis, formerly Professor of English at the University of Toronto and at Cornell University, took office. "This is not a time to prophesy smooth things, or to dream dreams," President Davis said in his inaugural address on October 17, 1940. "It is not a time for experiment; not a time to advance to new positions, or to undertake new responsibilities. It is a time rather for consolidation, for holding on to what we know is worth maintaining."

The College went into year-round session; faculty and staff were called into many fields of government service. The Navy Department invited Smith College to provide facilities for the first Officers' Training Unit of the Women's Reserve, and College, Alumnae Association, and City co-operated to such purpose that 9567 naval officers had been commissioned when the school closed in January, 1945. To compensate somewhat for the suspension of the Junior Years Abroad, foreign language houses for students interested in French and Spanish were established after the model of the German House which had been founded, also in consequence of conditions abroad, in 1935.

During these years President Davis did not relax the standards of quality and achievement to which he and those before him had committed the College. Peace brought a return to the regular calendar, a major curriculum revision, and serious financial problems. With the partial completion of the 75th Anniversary Fund, faculty salaries were somewhat increased and several long-needed projects undertaken. Among them was a student center so successfully adapted from an old gymnasium that the students named it Davis Center as a mark of affection for their president shortly before he left in June, 1949 to accept a post at Oxford University.

V

The Anniversary year 1949-50 opened under a new president, Benjamin Fletcher Wright, formerly Professor of Government at Harvard University and Chairman of that University's important Committee on General Education. The Inauguration of the President and the Convocation in honor of the seventy-fifth year, held jointly on the 19th and 20th of October, were marked in word and spirit by recognition not only of the brilliant record of the past but of a great responsibility toward the future. "Our legacy is not narrow and confining," said Mr. Wright in his inaugural address. "The founders of this College faced their own times with courage, and they had confidence that later generations would advance their work. We shall be faithful to that trust only if we carry on our heritage in their spirit." Eight months later at an Anniversary Assembly in June, this confidence was notably demonstrated in the successful completion of a Seven Million Dollar Fund representing four years of devoted and indefatigable effort on the part of alumnae, students, and friends of the College in the face of increasingly unfavorable economic factors.

The growth of Smith College is evident enough in the contrast between the small

beginnings and the present achievement: between the original corner lot of 13 acres and a campus of 214 acres; between Sophia Smith's legacy of \$400,000 and current assets of \$23,565,000; between the first class of 14 and today's enrollment of 2300; between the 11 graduates of 1879 and an alumnae roster of 21,317. But the ideals of the founders, of President Seelye, and of all the great company who have loved the College and worked for it with devotion are the same; the purpose of education as defined by President Davis, "to produce free spirits and to let them work freely," continues to be the high purpose of Smith College.

THE WILLIAM ALLAN NEILSON CHAIR OF RESEARCH

The William Allan Neilson Professorship, commemorating his profound concern for scholarship and research, has been held by the following distinguished scholars:

KURT KOFFKA, PH.D. *Psychology*. 1927-32.

G. ANTONIO BORGESE, PH.D. *Comparative Literature*. 1932-35.

SIR HERBERT J. C. GRIERSON, M.A., LL.D., LITT.D. *English*. Second semester, 1937-38.

ALFRED EINSTEIN, DR. PHIL. *Music*. First semester, 1939-40; 1949-50.

GEORGE EDWARD MOORE, D.LIT., LL.D. *Philosophy*. First semester, 1940-41.

KARL KELCHNER DARROW, PH.D. *Physics*. Second semester, 1940-41.

CARL LOTUS BECKER, PH.D., LITT.D. *History*. Second semester, 1941-42.

ALBERT F. BLAKESLEE, PH.D. SC.D. (hon.). *Botany*. 1942-43.

EDGAR WIND, PH.D. *Art*. 1944-48.

DAVID NICHOL SMITH, M.A., D.LITT. (hon.), LL.D. *English*. First semester, 1946-47.

DAVID MITRANY, PH.D., D.SC. *International Relations*. Second semester, 1950-51.

Admission of Undergraduates

SMITH COLLEGE accepts candidates for the degree of Bachelor of Arts both as members of the Freshman class and as members of the Sophomore or Junior classes with acceptable credits from other colleges. The Freshman class is selected on a competitive basis, careful consideration being given to each applicant's record as a whole.

APPLICATION FOR ADMISSION

An applicant for admission registers by filling out and submitting an application form which the Board of Admission will furnish upon request, and by paying a registration fee of \$10 which is not refunded. If possible, such registration should be made well in advance of entrance to enable the applicant to receive the benefit of advice in making her entrance plans. Although the date of application is not considered in the selection of candidates, rooms in college houses are assigned to Freshmen in order of their dates of application for admission.

SELECTION OF CANDIDATES

The Board of Admission meets in April each year to evaluate records of applicants to the Freshman class. Its object is to admit students whose academic and health records testify to a capacity for carrying on college studies successfully and whose personal qualifications give assurance that they will be responsible members of the community. Both past achievement and promise of future achievement are given weight in this evaluation.

Besides the school record, the principal's recommendation, and the records of College Board tests, the Board of Admission utilizes such information as the results of psychological tests (for example, the Iowa Silent Reading Test and the American Council Psychological Tests) and records of the New York State Regents' examinations when these data are available. All credentials should reach the Board of Admission by March 15 in the year of entrance.

A deposit of \$50 must be made by June 15 if the student wishes to accept a place in the College. This deposit is not refunded in case of withdrawal before entrance.

ENTRANCE REQUIREMENTS

An important relationship exists between school and college work. In planning her preparation for entrance, a candidate should bear in mind the three different ways in which this relationship will affect her own college studies.

Primarily, the preparatory program recommended below is intended to assure for the student a satisfactory basis for the work which she will be asked to do on a college level. The discipline and the knowledge acquired from the study of

English, languages, mathematics-science, and history have a general bearing upon all college studies.

In addition, a student who has discovered special interests in school and has equipped herself to enter immediately upon more advanced work in college may take advantage of certain exemptions and special provisions and proceed more rapidly toward concentration. Conversely, a student who is specially qualified in English, languages, or history but whose main interest lies elsewhere may take advantage of exemption in order to release time for the pursuit of other subjects. Information concerning college requirements and exemptions will be found on page 40.

As basic foundation for college work, the student should have completed a four-year secondary school program giving sixteen year credits and corresponding to one of the curricula presented below. The elective work may be in language, mathematics, science, history, art, Bible, or music. For special information concerning entrance credits for art, Bible, and music, candidates should apply to the Board of Admission.

<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>
English	4	English	4	English	4
Language	3 *	Language	5 **	Language	5 **
{ Mathematics		Algebra	1	{ Mathematics	
{ Science	4 †	Geometry	1	{ Science	4 †
History	2 ‡	History	2 ‡	History	1
Elective	3	Elective	3	Elective	2
Total	<u>16</u>		<u>16</u>		<u>16</u>

* Or two years in each of two different languages, making a total of four. No credit will be given for a single language course.

† Three in mathematics and one in science, or four in mathematics.

‡ In different fields.

** One of the languages should be Latin or Greek.

The College is aware of the fact that there is variation among school curricula throughout the country. It is willing to give careful consideration to able students whose programs deviate at some points from those suggested above.

ENTRANCE TESTS

Candidates for admission to the Freshman class are required to take the Scholastic Aptitude Test and three Achievement Tests. One Achievement Test must be in English; the others must be selected from two of these fields: (1) foreign languages (French, German, Latin, Spanish), (2) mathematics or science (intermediate mathematics, advanced mathematics, biology, chemistry, physics), (3) social studies (history).

All candidates will be required to take these tests in their senior year. Students who complete the school course in June will be expected to take the three Achievement Tests in March of that year and the Aptitude Test in January or March.

If they take the Aptitude Test in January, they should not repeat it in March. Those students who are graduated in the middle of the year may take all the tests in **January**.

COLLEGE BOARD REGULATIONS

The College Entrance Examination Board will send free of charge to any school or applicant a copy of its *Bulletin of Information and Sample Tests* which contains full data concerning application, fees, and examination centers. The Board has set the following examination dates for 1950-51 and 1951-52:

1950-51
December 2, 1950
January 13, 1951
March 10, 1951
May 19, 1951
August 15, 1951

1951-52
December 1, 1951
January 12, 1952
March 15, 1952
May 17, 1952
August 13, 1952

All candidates, except those living in states or foreign areas listed below, should make application by mail to the *College Entrance Examination Board, Box 592, Princeton, New Jersey*. Those who wish to take the examinations in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii, Alberta, British Columbia, Mexico, Australia, Pacific islands including Formosa and Japan should address their inquiries and send their applications to the *College Entrance Examination Board, Box 9896, Los Feliz Station, Los Angeles 27, California*.

In order to facilitate the arrangements for the conduct of the tests all applications should be filed as early as possible. The fee for the Scholastic Aptitude Test taken alone is \$6; for the Achievement Tests alone \$8; for the Aptitude Test and the Achievement Tests \$12. Applications and fees should reach the office of the Board not later than the dates specified in the *Bulletin of Information and Sample Tests*. The final date for filing application for examination at an established center outside the United States, Canada, Canal Zone, Mexico and the West Indies is approximately one month prior to the date of the examination. Late applications will be subject to a penalty of \$3 in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. Under no circumstances will an application from a candidate in the United States, Canada, Canal Zone, Mexico or the West Indies be accepted if it is received at a Board office later than one week prior to the date of the examination.

Requests for the establishment of new overseas centers should reach the appropriate Board office at least three months prior to a scheduled examination date.

The College Entrance Examination Board will report the results of the tests to the institutions indicated on the candidates' applications. The College will, in turn, notify the candidates of the action taken upon their applications for admission. No reports on the tests will be sent to candidates by the Board.

FOREIGN STUDENTS

Smith College is interested in admitting foreign students and is willing to make exceptions for students who give evidence of ability to do college work. Applicants are advised to communicate with the Director of Admission well in advance of entrance in order that the College may advise them concerning their entrance plans.

ADVANCED STANDING STUDENTS

The College admits each year a number of Sophomores and Juniors by transfer from other colleges. Candidates for admission with advanced standing should be able to submit official statements of entrance and college records, including the results of the Scholastic Aptitude Test or the College Transfer Test of the College Entrance Examination Board, and a letter of honorable dismissal from the college previously attended. Their school and college programs should correlate with the general college requirements given on p. 40 of this *Catalogue*.

Admission to advanced standing is competitive. Successful candidates are given credit without examination for acceptable work taken at another college. Shortages incurred when previous work is not accepted for the Smith College degree may be removed by carrying hours above the minimum or taking work in an approved summer school. During their first semester in residence, advanced standing students may not elect more than seventeen hours except by permission of the Administrative Board.

At least two years' residence at Smith College is ordinarily required of a candidate for the Degree of Bachelor of Arts.

READMISSION

A student who has withdrawn from college may apply to the Administrative Board for readmission. Application for readmission in September should be sent to the Registrar before April 1; for readmission in February before December 1.

In general, students who have withdrawn from college at the end of the first semester will be permitted to return only in the following February.

NONCOLLEGIATE STUDENTS

Qualified persons beyond the age of the undergraduate may be admitted to courses of study or to supervised research work with the approval of the Registrar and the instructor concerned. The fee is \$22.50 per semester hour.

Auditors should obtain the permission of the Registrar and of the instructor concerned. The fee for auditing is \$5 per semester course.

The Curriculum

As candidates for the degree of Bachelor of Arts, undergraduate students normally follow a four-year program in which they are required to complete one hundred and twenty hours of academic work as well as prescribed courses in physical education.* For graduation they must achieve a cumulative average of "C" (fair) in their academic work and a "C" average in the Senior year; in computing these averages plus and minus signs are not taken into account. The minimum schedule for a semester consists of fifteen credit hours.

When plans can be approved before the end of the Freshman year, it is possible in special cases for students to complete the work in three years by attending summer sessions elsewhere. Only in rare instances is the degree granted after a residence at Smith College of less than two years, one of which must be the Senior year.

ORGANIZATION OF THE CURRICULUM

DIVISION I. THE HUMANITIES

- GROUP A. *Literature*: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature
- GROUP B. *Fine Arts*: Art, Music, Theatre
- GROUP C. *Philosophy, Religion*

DIVISION II. SOCIAL SCIENCES AND HISTORY

- GROUP D. *History*
- GROUP E. *Social Sciences*: Economics, Education, Government, Sociology, Social Science

DIVISION III. NATURAL SCIENCES AND MATHEMATICS

- GROUP F. *Physical Sciences and Mathematics*: Astronomy, Chemistry, Geology, Physics, Physical Science; Mathematics
- GROUP G. *Biological Sciences*: Bacteriology, Botany, Psychology, Zoology, Biological Science

Speech and Physical Education are associated with Divisions I and III respectively.

* For this requirement in Physical Education see page 110.

GENERAL COLLEGE REQUIREMENTS

The program of the first two years of the college course is generally diversified, while the last two years are devoted primarily to study in a major field which is chosen at the end of the Sophomore year.

Because the College considers experience in certain fields of knowledge essential to a liberal education, it has set a number of special and distribution requirements to be completed by the end of the Junior year.

SPECIAL REQUIREMENTS

- (1) Six semester hours in Freshman English, required in the first year.

A few students with exceptionally high entrance records in English will be exempted from the requirement. Such students will be notified of exemption in the summer and may, if they wish, elect a Grade II course in English. A list of courses open to them will be sent with notification of exemption.

Freshmen who do not pass English 11 with a satisfactory grade must work tutorially in Sophomore year with the Committee on Special Assistance in Written English.

- (2) Six semester hours in a foreign language. The minimum prerequisite for courses which fulfill the requirement is three entrance units in a language or six hours in college. Courses which fulfill the requirement are marked (L) and are offered in the following departments: Classics, French, German, Italian, Russian, Spanish.
- (3) A knowledge of the fundamentals of hygiene. This requirement may be met in one of several ways as described under the Department of Hygiene and Bacteriology.

DISTRIBUTION REQUIREMENTS

- (1) Six semester hours in literature (Group A: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature). This course must be taken in a language other than the one used to fulfill the foreign language requirement.

Students entering without units in Latin or Greek must fulfill this requirement through courses in classical literature either in the original or in translation.

- (2) Six semester hours in Art, Music, Theatre (Group B) or Philosophy, Religion (Group C).

Students are urged to take six semester hours in each Group if possible.

- (3) Six semester hours in History (Group D).

Exemption from this requirement will be granted to students who offer at least three units of the proper content: ancient, American, European (medieval and modern, or modern since 1600), and who pass an examina-

tion in one of these fields, administered by the Department after the opening of college.

- (4) Six semester hours in Government, Economics, Sociology, or Social Science (Group E).

In rare cases students with preparation in these fields may be granted exemption on the basis of an examination. Application should be made to the Class Dean.

- (5) Six semester hours in Astronomy, Chemistry, Geology, Physics, Physical Science (Group F) or Botany, Zoology, Biological Science (Group G).

The courses which may be taken to fulfill these distribution requirements are named at the head of each department offering and specified in the list of "Interdepartmental Courses," on p. 47.

THE MAJOR

In the Junior and Senior years the student devotes half or more of her time to study in a single field selected on the basis of a course or courses taken in the first two years. Major programs, which are offered in all departments except Hygiene, Physical Education, and Speech, are described under the department offerings (see pp. 48 ff). When a student enters upon her major she comes under the direction of a major adviser and obtains the approval of that adviser for her major program.

Of the thirty semester hours taken in the major at least eighteen must be in courses of Grade III or higher in the field of concentration and of these twelve must be in the department. Students are required to take not less than twelve hours in the major field in each of Junior and Senior years. Courses taken in Sophomore year, exclusive of the basic course, may be counted in the major.

At least six semester hours in the Junior or the Senior year must be taken in a Division other than the one in which the student is majoring.

INTERDEPARTMENTAL MAJORS

The curriculum also includes Interdepartmental Majors in American Studies, Architecture and Landscape Architecture, General Literature, Bacteriology, Physiological Chemistry, Premedical Science, Theatre (see pp. 134 ff).

THE JUNIOR YEAR ABROAD

Students in good standing and with sufficient language training may, if conditions permit, spend the Junior year in certain foreign countries in groups directed by members of the Smith College Faculty. The Junior Years in France, Italy, and Mexico are intended primarily for language majors and the Junior Year in Geneva primarily for students majoring in economics, government, history, or sociology. However, majors in other fields with adequate preparation in

language may apply to the appropriate committees with the consent of the department of the major. Properly prepared students from other colleges may be admitted to the groups.

The Junior Years Abroad are planned to afford as rich an opportunity as possible to observe and study the countries visited. Art, music, and theatre are available in the different cities and the Directors arrange occasional meetings for the groups with outstanding scholars, writers, and leaders. During the vacations students are free to travel to broaden their acquaintance with the country, although they may stay in residence if they prefer.

Applications, including permissions from parents, must be made by January 15 to the Dean of the Sophomore class. The size of the group and the selection of candidates will be determined by a Faculty committee for each group. It is expected that applicants will have met all the college requirements of the first two years and any special conditions set by the Committees on the Junior Year Abroad. The physical condition of each student must be passed upon by the College Physician.

The Director of the group is granted by the College full control in matters of behavior and discipline, although the details of group procedure will be worked out with a student committee. The students are subject to social regulations similar to those that obtain in Smith College, but adapted to the different countries. The supervision of the Director ends with the close of the college year in each country.

The fee covering tuition and board is \$1600; travel and incidental expenses vary according to individual tastes and plans. A deposit of \$50 is payable by May 1 by students who have been provisionally accepted. It will be credited on the second semester bill and will not be refunded unless notice of withdrawal from the group is sent the Class Deans' office before June 1. Payment for the first semester should be made by August 15 in the case of students going to France, Geneva, Mexico, and Italy, for the second semester by January 15. Checks should be sent to the Treasurer of Smith College, Northampton.

Neither the College nor the Director assumes or accepts any responsibility for personal injury to members or damage to or loss of property of members. Students are required to carry health and accident insurance which is available through a general college plan.

FRANCE: Arrangements will be made for students to live in Paris with carefully selected families or in a club such as Reid Hall. Full-time Junior programs consisting of work in French literature, history, and art, and other aspects of French culture are planned by the Director. Courses will be given by professors from the Sorbonne and other institutions. The language requirement for admission to the group is usually two years of college French if the student has entered with three units.

ITALY: The work of the year will begin with a month in Perugia where intensive study of the language is undertaken at the University for Foreigners and with the Director. After the first of October this study is continued in Florence. The middle of November the group starts work in classes conducted especially for Smith College by professors of the University of Florence. The subjects offered are Italian art, history, language and literature. In Perugia the students stay in a first-class hotel or pension; in Florence they live in private homes chosen by the Director. The minimum requirement for admission is normally two years of college Italian. By special action of the committee promising students with only one year of Italian may be accepted.

MEXICO: October is spent in one of the smaller provincial cities, such as Puebla or Morelia. Students live with carefully selected families in order to learn the language and the customs of the country. About the first of November the group moves to Mexico City where it lives in an attractive house rented by the College. Classes are available in Spanish literature and composition, Mexican art, archaeology, and history, and various other aspects of Mexican and Latin American culture. They are taught by professors from different colleges and the University of Mexico. A minimum of two years of college Spanish is the normal requirement for admission.

GENEVA: The work in Geneva consists of international studies instead of the history and culture of a single country, and accordingly the group is composed primarily of majors in history, government, economics, and sociology. The courses permit the students, through work in the Graduate Institute of Higher International Studies and the University of Geneva, to study plans for world co-operation. Classes are available in diplomatic and contemporary history, international economics and finance, international law, and similar subjects. As the courses are given in French students are expected to pass one year of the language in college if they have entered with three units, and all applicants should pass at least one course in French in the second semester of Sophomore year. Any students who do not fulfill these requirements will be tested for their proficiency in the language. It is strongly urged that work in at least two fields of the social sciences be offered.

TORONTO: Since 1945 an exchange of students in the Junior class with Juniors at the University of Toronto has proved to be highly successful. For the year the Smith Juniors live in the colleges of the University and carry on programs approved by their major advisers. Candidates from Smith must have demonstrated their ability to do work of Dean's List rating and have the approval of the chairman of their major department. Not more than eight exchanges will be arranged in any year. Regular Smith College fees, covering residence and tuition at the University of Toronto, will be paid to the Treasurer of Smith College by exchange students.

THE DEGREE WITH HONORS

PURPOSE: Honors work is designed to offer for properly qualified students certain advantages normally not possible in the regular majors. It permits more flexibility in the arrangement of individual programs, a greater measure of individual instruction, and a greater opportunity for integrating the work done. It is intended to give more freedom to those who wish it and at the same time to provide recognition for those who have demonstrated their ability to do work of high quality.

AWARD: The degree is awarded with Honors in three grades, *summa cum laude*, *magna cum laude*, and *cum laude*, based on (a) an independent piece of work which may involve the preparation of a long paper or the conduct of an investigation, (b) an estimate of the work in courses and units in the major field made by the department of the major, (c) three final examinations.

If a student fails to be awarded Honors she will be granted a degree without Honors if her work is of sufficient merit.

ADMISSION: A student having an average of B for the three semesters preceding her application is eligible for Honors. Other students will be admitted on the recommendation of the department of the major and with the approval of the Committee on Honors.

Subject to special requirements of individual departments students may enroll at the beginning of either semester of Junior year or at the beginning of Senior year. They may withdraw only upon recommendation of the department of the major and the approval of the Committee.

PRIVILEGES: An Honor candidate will have (a) the greatest possible elasticity in the arrangement of her program (with the permission of the director she may carry less than fifteen hours), (b) preference over other undergraduates when admission to units or seminars must be limited, and over other Honors candidates according to priority of candidacy, (c) exemption from all course examinations at the end of Senior year.

The specific requirements in each department will be found under the department offerings.

THE DEAN'S LIST

Students are named on the Dean's List when in the previous year they have achieved an average of B or better.

PHI BETA KAPPA

The Zeta of Massachusetts Chapter of the Phi Beta Kappa Society was established at Smith College during the year 1904-05, and the first undergraduates were elected to membership in April. In 1920 provision was made for the election of a small number of Juniors. Rules of eligibility are established by the Chapter in accordance with the regulations of the national society.

SOCIETY OF THE SIGMA XI

Smith College was the first woman's college to be granted a charter for the establishment of a chapter of the Society. Each year the Chapter elects to membership promising Graduate Students and Seniors who excel in two or more sciences.

GRADES

Grades are given with the following significations: A, excellent; B, good; C, fair; D, poor; E, failure.

FAILURES

A shortage of hours incurred through failure in a course must be made up before graduation by an equivalent amount of work carried above the minimum.

A student whose college work is generally unsatisfactory is subject to exclusion from college.

A student who has failed in the work of five or more hours in two consecutive semesters or in any three semesters, or has failed in the work of ten or more semester hours in a year is excluded from college unless special exception is made by vote of the Administrative Board.

THE REGISTRAR'S LIST

Students who fail to maintain diploma grade or fail to register and attend classes in accordance with the regulations are placed on the Registrar's List. They are subject to special requirements in attendance of classes. Further details concerning the Registrar's List are printed in the *Rules and Regulations*.

RULES GOVERNING ELECTION OF COURSES

1. Each student is expected to make herself familiar with all regulations governing the curriculum.
2. Certain conditions require the presentation of permission slips or of petitions to the Administrative Board. (A petition to the Board requires the recommendation of the chairman of the department and of the instructor concerned.)
 - (a) Students who wish to enter a course for which they have not had the stated prerequisite must file a petition with the Administrative Board.
 - (b) Freshmen and Sophomores who wish to enter a course of a higher grade than is normally open to their class must file a petition with the Administrative Board. Exceptions in the languages and sciences are made for those students who have the stated requirements.

(c) Juniors not taking Honors work who wish to enter a course of Grade IV must have the permission of the department concerned and file a petition with the Board.

(d) Seminars of Grade IV, limited to ten students, are open to Juniors and Seniors only by permission of the instructor. Students not candidates for Honors are permitted to take only one seminar in a semester.

(e) Special Studies of Grade IV are open only by permission of the department. They are limited to Seniors who have had twelve semester hours above Grade I and are majoring in the department concerned.

(f) Grade V courses are open to Seniors only if they have a major or its equivalent in the department and if they have at least a B average in that major. Under these conditions they may be admitted by permission. They may not carry more than three hours of Grade V work a semester except in technical art and practical music unless they have special permission from the Administrative Board.

(g) A student may not carry in any semester less than the required minimum of fifteen hours or more than two hours above the required minimum except with the permission of the Administrative Board.

A shortage of hours permitted by the Administrative Board may be made up by a corresponding excess of hours distributed over succeeding semesters.

(h) A year course may not be entered in the middle of the year except with the permission of the Administrative Board and the consent of the department concerned. When a year course is dropped, credit for the first semester is not allowed except with the recommendation of the instructor and the chairman of the department and the permission of the Administrative Board.

3. In each semester of the Freshman and Sophomore years the student must carry at least four three-hour courses.

4. Changes in courses may be made without fee until September 15. Thereafter changes may be made through the first week of college only at a charge of five dollars, unless the change has been initiated by an instructor or is the result of curriculum changes beyond the student's control. Exception is made for Freshmen and Advanced Standing students who may change courses without fee through the first ten days of the first semester.

(a) Requests for these changes must be filed in the Office of the Class Deans on official blanks.

(b) If changes on the course cards are made necessary by reason of carelessness on the part of the student a fee of two dollars is charged.

(c) Permission to drop hours of work carried above the minimum will not be granted after November 15 for the first semester and after April 3 for the second semester.

5. A student is not allowed to attend a class either as an occasional or a regular auditor except with the permission of the instructor in charge of the course.

Courses of Study for 1951-1952

Courses are arranged in five grades indicated by the first digit in the course number. Those of Grade I are primarily for Freshmen, those of Grade II for Sophomores. Courses of Grade III are for Juniors and Seniors, but are also open to Sophomores when a statement to that effect is included in the description. Grade IV courses are for Seniors, Honors students, or qualified Juniors. Grade V courses are for Graduate Students.

An "a" after the number of a course indicates that it is given in the first semester; a "b" that it is given in the second semester.

Where no letter follows the number of the course, the course runs through the year.

Unless otherwise indicated, all year courses carry credit of six hours; all semester courses, three hours.

The numerals after the letters indicating days of the week show the scheduled hours of classes. Where scheduled hours are not given for courses or for laboratory work, the times of meeting are arranged after elections are made.

[] Courses in brackets will be omitted for the year.

Dem. indicates demonstration; Lab., laboratory; Lec., lecture; Rec., recitation; Sect., section.

An "L" in parentheses at the close of the description of a course in the literature departments indicates that it may be taken to fulfill the foreign literature requirement.

Explanation of marks before instructors' names: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the Juniors in France, ‡ in Mexico, § in Geneva, | in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

INTERDEPARTMENTAL COURSES

SOCIAL SCIENCE 192. *An Integrated Study of Modern American Society.* An introductory analysis of physical and human resources, principal ideas and institutions, social structure, and current issues. Some of the methods and materials of economics, political science, and sociology are employed. Open to a limited number of Freshmen and Sophomores. Lec. M 11; Rec. T W 11, 12. Mr Page (*Director*), Mrs Taber, Mr Leuchtenburg. (Group E)

PHYSICAL SCIENCE 193. *Molecules and Atoms.* A survey of the mechanical, chemical, and electrical experiments that disclose the nature of molecules and atoms. This branch of scientific activity is used to illustrate the methods of science, and the interplay between science and society. Three lectures and one discussion. Lec. Th F S 9; discussion W 10, 2. Mr Scott (*Director*), Mr Sherk. (Division III)

PHYSICAL SCIENCE 194. *The Earth in Time and Space*. The nature of the earth, its relation to the solar system and universe. The physical laws which govern the earth and its relations to the other astronomical bodies. Theories of the origin of the earth, solar system, and universe. Open to a limited number of Freshmen and Sophomores. Lecture, three hours; laboratory and demonstration, two hours. Lec. M T W 12; Lab. W 2-4, Th 9-11. Miss Gill (*Director*), Mr Schalk, Miss Mohler, Miss Penney. (Division III)

BIOLOGICAL SCIENCE 195. *The Living World*. Life as exhibited in the form, function, inheritance, and evolution of living organisms, with special emphasis on the relationship of man to the equilibrium of nature. This course is not open to students presenting a unit in biology for entrance or who have taken a course of Grade I in botany or zoology. Lecture and demonstration, three hours; laboratory, two hours. Lec. M T 9; Dem. W 9. Lab. A, W 11-1; Lab. B, Th 11-1; Lab. C, Th 2-4; Lab. D, F 11-1; Lab. E, F 2-4. Mr Driver and Miss Kemp (*Co-directors*). (Division III)

GENERAL LITERATURE 291. *A Study of Selected Literary Masterpieces from Homer to Tolstoy*. For Sophomores. Lec. W 2; section meetings, M T W 11, 12, W Th F 2, Th F S 10, 12. Mr Arvin (*Director*), Mr Guilloton, Miss Dunn, Miss Muchnic, Miss Drew, Miss Sperduti. (Group A)

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1952: A study of the problems of national and regional planning. By permission of the director, Miss Wilson.

ART

PROFESSORS:

CLARENCE KENNEDY, PH.D., *Chairman*

†OLIVER WATERMAN LARKIN, A.M.

EDGAR WIND, PH.D.

HENRY-RUSSELL HITCHCOCK, A.M. (*Director of the Museum*)

ASSOCIATE PROFESSORS:

KATE RIES KOCH, A.M., M.L.D.

KARL SCOTT PUTNAM, B.S. IN ARCH.

PRISCILLA PAINE VAN DER POEL, A.M.

MERVIN JULES

PHYLLIS WILLIAMS LEHMANN, PH.D.

H. GEORGE COHEN

ASSISTANT PROFESSORS:

RANDOLPH WARDELL JOHNSTON

ELEANOR DODGE BARTON, A.M.

LECTURER:

**RUTH WEDGWOOD KENNEDY, A.B.

INSTRUCTORS:

MARGERY ANN WILLIAMS, A.M.

GEORGE SWINTON, B.A.

The courses in art which may be taken to fulfill the distribution requirement in Group B are 11, 12, 31, 35, 325, 13.

Students planning to major or to do Honors work in art will find that courses in literature, philosophy, religion, and history taken in the first two years will prove valuable.

A. Historical Courses

Each of the historical courses may include one or more trips to Boston, New York, or the vicinity for the study of original works of art.

A reading knowledge of foreign languages, especially German, Italian, and French is urgently recommended.

- 11 *An Historical Introduction to Art.* W Th F 3; discussion meeting, choice of T 12, 2, W 11, Th, F 10, 11, S 9. Members of the Department. *Director*, Miss Barton.
- [12 *Art Appreciation.* Nature of the work of art and of our response to its form and meaning. For Freshmen, Sophomores, and Junior transfer students. M T 10; discussion meeting, choice of T, W 11, W 10. Mr Larkin.]
- 31 *The Art of Greece and Rome.* Architecture, sculpture, painting, and the minor arts as conditioned by social, intellectual, and religious history from the prehistoric background to the late antecedents of Christian art. Open also to Sophomores. Th F S 9. Mrs Lehmann.
- 33b *Medieval Art.* The historical development of medieval art as aesthetic and cultural expression from early Christian and Byzantine to Romanesque and Gothic architecture, sculpture, illuminated manuscripts, and painting. Open also to Sophomores. Recommended background, 11 or History 11. Th F S 11. Mrs Lehmann.
- 34a *Northern Art.* Flemish, French, and German art from the fourteenth through the sixteenth century. Open also to Sophomores. Prerequisite, 11. M T W 9. Miss Barton.
- 34b *Art in Northern Europe, France, and Spain in the Seventeenth and Eighteenth Centuries.* Open also to Sophomores. Prerequisite, 11. M T W 9. Miss Barton.
- 35 *The Art of the Italian Renaissance.* Development of the arts in Italy from 1290 to 1594, with special emphasis on their interrelationships and on the emergence of a consistent theory of art. Lectures, problems, and field trips. Open also to Sophomores. Recommended background, 11 or History 11. M T W 10. Mr Kennedy and Mrs Kennedy.
- 37a *The Medici as Patrons of Art.* Donatello, Desiderio, Botticelli, Verrocchio, and others. M 4, T 4-6. Mr Kennedy.

- 37b *Leonardo da Vinci*. M 4, T 4-6. Mr Kennedy.
- [311a *Italian Art of the Seventeenth and Eighteenth Centuries*. A study of the major artists of Italy in the Baroque period. Open also to Sophomores. Prerequisite, 11. Alternates with 34a. M T W 9. Miss Barton.]
- [313a *The Arts in America*. The colonial period through the years of the expanding republic; painting, sculpture, architecture, graphic art, and the crafts as an expression of thought and taste. Recommended background, 11 or a course in American history. M T W 12. Mr Larkin.]
- [313b *The Arts in America*. The Civil War to the present. Recommended background, 11 or a course in American history. M T W 12. Mr Larkin.]
- 315 *Modern Art*. Contemporary art and its backgrounds. Recommended background, 11 or 12. Th F S 10. Mrs Van der Poel.
- 321 *Decorative Styles*. A general survey of European and American thought and taste as expressed in interior design, furniture, and textiles from the medieval period to the present. Also open to Sophomores. Th F S 12. Mrs Van der Poel.
- [322a *History of Landscape Architecture*.]
- [323b *Civic Art*.]
- [325 *Principles of Architecture*. Structure, plan, and design studied in specific medieval, Renaissance, and modern American situations. Also open to Sophomores. Th 4-6 F 4. Mr Putnam.]
- 326 *English Architecture*. History of architecture in the British Isles since the Middle Ages with emphasis on those aspects which influenced America; on gardens; on city planning. Recommended background, 11, or courses in English history or literature. M T W 2. Mr Hitchcock.
- [329b *The Art of the Book*. The study of examples of book design from the Renaissance to the present, selected from the collections in the Smith College libraries. M T W 3. Mr Kennedy.]
- 40b Integrating Paper. Director, Miss Barton.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours of art above Grade I. *Two or three hours*.
- 42a *The Antique and the Italian Renaissance* (seminar). The survival and rediscovery of ancient works of art and their influence on such Italian Renaissance artists as Alberti, Mantegna, Raphael, Michelangelo, Titian, Palladio. Alternates with 46a. W 7:30-10. Mrs Kennedy and Mrs Lehmann.

- 43a *Seminar in the Iconography of the Renaissance and Reformation.* For Seniors by permission of the instructor. M 8-10. Mr Wind.
- 43b *Seminar in English Art of the Eighteenth Century.* For Seniors by permission of the instructor. M 8-10. Mr Wind.
- [45a *Seminar in Modern Architecture.*]
- [46a *Seminar in Greek Sculpture.* Alternates with 42a. By permission of the instructor. Mrs Lehmann.]
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced Studies. *One hour or more.*
- 55 *Art of the Italian Renaissance.* Mr Kennedy and Mrs Kennedy.
- 57a, 57b *Modern Art.*

For further information about graduate work in art, application should be made to the chairman of the Department. Adviser of graduate study: Mrs Lehmann.

B. Technical Courses

A fee is charged for materials in 13, 212, 333, 335, 336, 341, 342a and b.

- 13 *Basic Design.* The visual properties of color, light, volume, space, shape, line, texture through study of simple problems dealing with the nature of these elements, the use of materials and their creative application. For Freshmen, Sophomores, and Junior transfer students. M 9; eight studio hours of which four must be T W 2-4, Th F 10-12, 2-4. *Director*, Mr Jules.
- 210 *Development of Principles and Methods of Visual Expression.* Studio and individual projects in creative pictorial organization, using various painting and graphic media and techniques. Prerequisite, 13. Students must consult the instructor before enrolling. Nine studio hours of which six must be M T W 10-12. Mr Cohen.
- 212 *Elementary Sculpture.* Basic elements of sculptural design; modeling heads and figures from life, introduction to stone carving and the modeling and firing of terra cotta. Prerequisite, 13. Nine studio hours of which six must be M T 2-5. Mr Johnston.
- 331 *Advanced Drawing and Painting.* Individual creative expression, with emphasis on the techniques of pictorial organization. Prerequisite, 210b, 212, or 335. Nine studio hours of which six must be Th F 2-5. Mr Jules.
- 333 *Advanced Sculpture.* Figure composition; life and portrait modeling; bronze casting; advanced work in stone and terra cotta. Prerequisite, 212. Mr Johnston.

- 335 *Design Workshop*. Analysis of the elements of design and their organization; techniques of drawing and rendering for illustration. Open also to Sophomores. Prerequisite, 13 and permission of the instructor. Nine studio hours of which four must be Th F 11-1. Mr Swinton.
- 336 *Print Making*. Nine studio hours of which six must be M T W 11-1. Mr Johnston.
- [339 *Architectural Design*.]
- 341 *Landscape Architecture*. Introduction to the principles of landscape design, with problems in organization of the landscape plan. Open also to Sophomores. Recommended background, 11, 12, 13, or Botany 27. M T W 9; drafting periods to be arranged. Miss Koch.
- [342a, 342b *Theory and Practice of the Photography of Works of Art*. Given in co-operation with the Smith College Museum of Art. Mr Kennedy.]
- 40b Integrating Project. Director, Mr Cohen.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in art. *Two or three hours*.
- 510 *Architecture*. Th F S 10. Mr Putnam.
- 512 *Landscape Architecture*. Miss Koch.
- 513a, 513b *Drawing, Painting, Sculpture, or Design and Graphic Arts*. Members of the Department.

THE MAJOR

Advisers: Mr Jules, Mrs Lehmann, Mrs Kennedy.

Based on 11 or 13. If the major is based on 13, 11 must also be taken.

Essential Courses: 40b and eighteen semester hours in art of which at least nine must be from Division A.

Optional Courses: other courses in art; Philosophy 33; closely related courses in other fields.

Honors

Director: Mrs Kennedy.

Prerequisites: 11 and 31 or 35.

Program: an arrangement, approved by the director, of courses and special studies in art and related fields in preparation for general examinations.

Examinations: three written examinations of which the first will test the student's scholarship in specific fields of art history, with emphasis on bibliography, museum sources, and other source materials; the second and third will comprise essays.

ASTRONOMY

- ASSOCIATE PROFESSOR: MARJORIE WILLIAMS, PH.D., *Chairman*
(Director of the Observatory)
- ASSISTANT PROFESSOR: JOCELYN RUTH GILL, S.M.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Astronomy 11 and Physical Science 194.

Students planning to major or to do Honors work in astronomy are expected to complete Mathematics 12 or 13 in Freshman or Sophomore year and are therefore strongly urged to offer three units of mathematics for entrance. They are advised to take Astronomy 11 and Mathematics 12 or 13 in Freshman year and Mathematics 21 or 22a, elementary physics or chemistry, and German before Junior year. See also the statement for Honors.

The prerequisite for 22a and 23b is 11, 21a or b, or Physical Science 194.

- 11 *General Astronomy*. Physical characteristics and motions of members of the solar system and the sidereal universe; observations of constellations, sun, moon, and planets. Recitation, discussion, and daytime laboratory, three hours; evening laboratory and observing dependent on the skies, averaging three hours. Th F S 11. Miss Williams.
- 21a *Descriptive Astronomy*. Designed to give a general knowledge of the field. Opportunity for learning the constellations and for using the telescopes. For students who have not taken 11. M T W 10. Miss Gill.
- 21b Repetition of 21a. Hours to be arranged.
- 22a *Observatory Practice*. Training in the use of visual and photographic telescopes and other equipment. Observations of sunspots, lunar and planetary detail, occultations, variable stars, other telescopic objects. Collateral reading. Recitation and conference, three hours; observing and laboratory, four hours. Miss Gill.
- 23b *Variable Stars*. Physical characteristics of the various types. Discussion of methods of observation and of obtaining periods and light curves. Miss Williams.
- 24b *Celestial Marine and Air Navigation*. Theory and practice in the determination of position on the earth, primarily from observations of celestial bodies. Prerequisite, the first semester of Mathematics 12 or trigonometry presented for entrance. Recitation and discussion, two hours; observing and laboratory, three hours. Miss Williams.
- 31a *Spherical and Practical Astronomy*. Theory and use of transit instrument for determination of time, latitude, and instrumental corrections. Prerequisites, 11 or the equivalent and Mathematics 12 or 13. Recitation and conference, two hours; observing and laboratory, four hours. Miss Williams.

- 31b *Spherical and Practical Astronomy*. Theory and use of the equatorial telescope. Determination of positions by means of photographic plates and the filar micrometer. Least squares. Prerequisite, 31a. Recitation and conference, two hours; observing and laboratory, two hours. Miss Williams.
- 34a *Introduction to Astrophysics*. Analysis of the light of the sun and stars. For students who have had approved courses in astronomy, physics, chemistry, or Physical Science 193 or 194. Miss Gill.
- 34b *Astrophysics and Stellar Astronomy*. Special problems of stars and galaxies, including motions and statistical methods of handling observational material. Prerequisite: see 34a. Miss Gill.
- 35 *Determination of Orbits*. Methods of computing orbits of comets and planets. Theory and practice. Prerequisites, 11 and Mathematics 21 or 22a. Miss Gill.
- 40b Synoptic Course, partly new work, partly review, designed to show the relationships among the various branches of astronomy.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in astronomy. *Two or three hours*.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Special problems in astrophysics, practical astronomy, or celestial mechanics. *Three hours or more*.
- Adviser of graduate study: Miss Williams.

THE MAJOR

Adviser: Miss Williams.

Based on 11, or an approved combination from 21a or b, 22a, Physical Science 194.

Essential Courses: 31a, 31b, 34a, 40b; Mathematics 21 or 22a.

Optional Courses: other courses in astronomy except 24b; other courses in mathematics above Grade I; Economics 38; courses in physics, chemistry, or geology.

Honors

Director: Miss Williams.

Prerequisites: 11; Physics 11 or its equivalent.

Program:

Essential Courses: 31a, 31b, 34a, 34b; Mathematics 21 or 22a.

Optional: courses or units in astronomy, mathematics, or physics; in chemistry with the approval of the director.

Half of the work of first semester of Senior year will be spent on a paper in the field of astrophysics, or on a problem in the field of practical astronomy or celestial mechanics; one fourth of the second semester will be spent in review for the examinations.

Examinations: two general examinations covering the fields of general astronomy, astrophysics, practical astronomy, physics, mathematics; one in the field of concentration, which may be a partly practical examination involving techniques and manipulation of instruments.

BOTANY

ASSOCIATE PROFESSORS:	†SARA BACHE-WIIG, PH.D. MARGARET KEMP, PH.D., <i>Chairman</i> KENNETH E. WRIGHT, PH.D.
HORTICULTURIST:	WILLIAM I. P. CAMPBELL
TEACHING FELLOW:	BARBARA ANNE DONAHUE, B.S.

SMITH COLLEGE GENETICS EXPERIMENT STATION

VISITING PROFESSOR:	ALBERT FRANCIS BLAKESLEE, PH.D., SC.D., LL.D.
VISITING ASSOCIATE PROFESSOR:	SOPHIE SATIN, SC.D. (hon.)
RESEARCH ASSOCIATE:	AMOS GEER AVERY, M.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Botany 11 and Biological Science 195.

Students planning to major in botany are advised to have a knowledge of general zoology or chemistry and a reading knowledge of German or French. See the Honors program for additional preparation required.

Unless otherwise stated the prerequisite for all courses above Grade I is 11, Biological Science 195, or permission of the instructor.

11 *General Botany*. A study of the life processes and structure of seed plants with emphasis upon their relationship to the needs of man. A survey of representative types of other green and nongreen plants; reproduction, heredity, evolution. Two lectures and two two-hour laboratory periods. Lec. Th F 12. Lab. A, M T 9; Lab. B, M T 11; Lab. C, M T 2; Lab. D, Th F 9; Lab. E, Th F 2. Miss Kemp, Mr Wright (*Director*), Miss Donahue.

[22b *Field and Forest Botany*. A study of ferns and flowering plants of the Northampton region. Principles of classification. Field trips in the spring. One lecture and five hours of laboratory or field work. Th F 2-5. Miss Bache-Wiig.]

27 *Horticulture*. Theory and practice of plant cultivation and improvement, with a study of the species commonly cultivated and the preparation of gardens. Two lectures and two two-hour laboratory periods. Lec. Th F 10; Lab. Th F 11. Mr Campbell.

- [31a *Comparative Morphology of Lower Vascular Plants*. The vegetative and reproductive structures and evolutionary development of living and extinct ferns and fern allies, preceded by a brief study of liverworts and mosses. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.]
- [31b *Comparative Morphology of Higher Vascular Plants*. The vegetative and reproductive structures and evolutionary development of the Gymnosperms and Angiosperms. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.]
- [32a *Microtechnique*. Methods used in the preparation of various plant materials for microscopic study. Offered in alternate years. Six hours of laboratory. M T 2-5. Miss Bache-Wiig.]
- [33a *Plant Breeding*. The principles and problems of inheritance in plants and the methods by which man obtains new varieties. Offered in alternate years. M T W 10. Mr Wright.]
- [33b *Plant Geography*. Climate and climatic plant formations of the world. Problems of distribution in relation to migration and barriers. Offered in alternate years. Two lectures and one recitation. M T W 10. Miss Bache-Wiig.]
- [34a *Mycology*. The structure, life history, and habitat of representative species of the fungi, with emphasis on theories of origin and relationship. Prerequisite, 11 or Bacteriology 22. This course and Bacteriology 22 may serve as prerequisites for Bacteriology 42b. Offered in alternate years. One lecture and five hours of laboratory. Th F 10-1. Miss Bache-Wiig.]
- 35 *Plant Physiology*. A study of plant processes and functions. Offered in alternate years. Two lectures and two two-hour laboratory periods. M T W 11-1. Mr Wright.
- 38a *Plant Materials*. Study of trees, shrubs, and herbaceous plants, with emphasis on the identification of woody ornamental plants. Lectures, laboratory, and field work. For students who have passed or are taking Art 341 or have passed a course in botany. M T 2-5. Miss Koch.
- 38b *Planting Design*. Study of trees, shrubs, and herbaceous plants in relation to their use in landscape art, and the design of simple planting compositions. Lectures, problems, trips. For students who have passed 38a or have passed or are taking Art 341. M T 2-5. Miss Koch.
- 40b Directed Reading and Review. Members of the Department.
- 41, 41a, 41b Special Studies: work in morphology, anatomy, physiology, ecology, mycology, pathology. By permission of the Department for Senior majors who have had twelve semester hours in botany above Grade I. *Two or three hours.*

Art 341 *Landscape Architecture.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies in the fields of morphology, anatomy, physiology, mycology, arranged in consultation with the adviser of graduate work. *One hour or more.* Miss Kemp, Mr Wright.

52a, 52b Selected problems in a specific field of botany assigned for investigation, experimental work, and discussion. *One hour or more.*

553 Apprenticeship Summer Course in Plant Genetics. Students are offered the opportunity of learning research methods, techniques, and aims through assisting in the current research of the Genetics Experiment Station. For graduate students it is recommended that this course be elected in the summer preceding the first academic year of a program in this field. *Three hours.* Mr Blakeslee, Miss Satin, Mr. Avery.

54a, 54b Seminar on problems and methods in modern plant genetics. *One hour.* Mr Blakeslee, Miss Satin, Mr Avery.

55, 55a, 55b Laboratory Practice in Cytogenetics. Preferably taken with 54a or b. *Two hours.* Mr Blakeslee, Miss Satin.

NOTE.—A laboratory course in genetics at Amherst College under the direction of Mr Plough may be substituted for all or part of 55.

56a, 56b Seminar on recent advances and current problems in botany. Selected topics for reading and individual reports. *One hour.* Members of the Department.

Adviser of graduate study: Mr Wright.

THE MAJOR

Adviser: Miss Kemp.

Based on 11 or Biological Science 195.

Essential Courses: 40b and eighteen hours in botany of which at least twelve must be above Grade II.

Optional Courses: other courses in botany above Grade I; Art 341; courses in bacteriology, chemistry, geology, physics, and zoology.

Honors

Director: Miss Kemp.

Prerequisites: 11; chemistry (one year in preparatory school or college).

Program:

Requirements: 22b (taken before Junior year if possible); 31a, 31b, 35; six hours of Grade IV or V in botany, involving a problem and a paper; three hours of directed reading and review.

Optional: courses approved by the director.

Examinations: a general examination covering major fields of botany; one in identification and interpretation of materials and in application of techniques; one in the special field of the candidate.

CHEMISTRY

PROFESSORS:	JESSIE YEREANCE CANN, PH.D. C. PAULINE BURT, PH.D., SC.D. (hon.) KENNETH WAYNE SHERK, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	MILTON DAVID SOFFER, PH.D.
ASSISTANT PROFESSOR:	† GEORGE STONE DURHAM, PH.D.
INSTRUCTOR:	MARY FRANCES PENNEY, D.PHIL.
TEACHING FELLOWS:	MARY JANE CROOKS, B.S. PATRICIA ANNE LACKEY, A.B. ZILPHA FASSAR SMITH, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Chemistry 11 and Physical Science 193, 194.

Students who are planning to major in chemistry should elect 11 in Freshman year. They are advised to complete Mathematics 12 or 13 the first year. For additional preparation for Honors work see that program.

- 11 *General Chemistry*. Two lectures, one recitation, and one three-hour laboratory period. Lec. M T 12; Rec. W 12; Lab. M, F 2. Mr Sherk, Mr Soffer, Miss Penney.
- 21a *Qualitative Analysis*. Cation and anion analysis using semimicro-technique. Prerequisite, 11. One lecture, one recitation, and two two-hour laboratory periods. Lec. and rec. T W 9; Lab. T W 2. Miss Penney.
- 21b *Quantitative Analysis*. Prerequisite, 21a. One lecture, one recitation, and two two hour laboratory periods. Hours and instructor as in 21a.
- 31 *Organic Chemistry*. Prerequisite, 11; open to Sophomores by permission of the instructor. Two lectures, one recitation, and one three-hour laboratory period. Lec. and rec. M T W 12; Lab. M, T 2. Miss Burt.
- 34a *Advanced Inorganic Chemistry*. Prerequisite, 21b. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Sherk.
- [38b *Advanced Quantitative Analysis*. A theoretical and practical study of the applications of various optical and electrical instruments to problems of analysis and structure. Prerequisite, 21b. One lecture and six hours of laboratory. Mr Durham.]
- 40 *Physical Chemistry*. For Seniors who have passed 21b, and have passed or are taking 31, Physics 11, and Mathematics 12. Lecture, discussion, and one

three-hour laboratory period. Lec. and discussion M T 9; Lab. W 9. Miss Cann.

NOTE:—A year of differential and integral calculus is required for eligibility for professional standing as stipulated by the American Chemical Society.

41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in chemistry. *Two or three hours.*

42a *Biochemistry*. Advanced organic chemistry of biological products. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 10; Lab. F 2. Miss Burt, Mr Soffer.

42b *Medicinal Chemistry*. Advanced organic chemistry of natural and synthetic compounds used in medicine. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.

45a *Organic Qualitative Analysis*. Prerequisite, 31. One lecture and two three-hour laboratory periods. Lec. hour to be arranged; Lab. Th F 2. Mr Soffer.

46b *Modern Structural Theories*. Study of modern theories of atomic and molecular structure and their relation to physical and chemical properties. Prerequisite 34a or permission of the instructor. Mr Sherk.

Graduate Courses

These courses are designed mainly for graduate students, but, with the proper prerequisites, are open to Seniors by permission. It is suggested that a Senior majoring in chemistry take at least one of these courses.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Special Studies. (1) Advanced Organic Preparations; (2) Chemical Spectroscopy; (3) Contemporary Literature; (4) Heterocyclic Natural Products; (5) Theory of Solutions. *One hour or more.*

[54a or b *Electrochemistry*. Lecture, discussion, and one three-hour laboratory period. Lec. and discussion Th F 11; Lab. F 2.]

55a, 55b *Advanced Physical Chemistry*: thermodynamics, kinetics. Prerequisites, 31 and 40 or their equivalents. Miss Penney.

58a *Advanced Organic Chemistry*. A systematic study of reactions. Miss Burt.

59b *Carbocyclic Natural Products*. The chemistry of terpenic and steroid substances, with particular emphasis upon methods of structural investigation and synthesis. Lectures and discussion. Mr Soffer.

Adviser of graduate study: Mr Soffer.

CHEMISTRY

[60]

THE MAJOR

Adviser: Mr Sherk.

Based on 21a and b.

Essential Courses: 31, 34a, 40. At least twelve semester hours must be taken in the Department in a major's Senior year. Six hours in physics.

Optional Courses: courses in chemistry above Grade II, Geology 24a, Bacteriology 22, 34; Zoology 32; courses in mathematics and physics with the approval of the adviser.

Honors

Director: Mr Sherk.

Prerequisites: 21a and b, Mathematics 12 or 13, six hours in physics above Grade I.

Program:

Essential Courses: 31, 34a, 46b, 40, and six hours chosen from 38b, 42a, 42b, 45a.

Distribution recommended for Junior year: 31, 34a, and two additional courses; for Senior year, the other essential courses and additional work approved by the director.

Examinations: one in inorganic chemistry; one in organic chemistry and related subjects; one in analytical and physical chemistry.

CLASSICAL LANGUAGES & LITERATURES

PROFESSORS: F. WARREN WRIGHT, PH.D., *Chairman*

AGNES CARR VAUGHAN, PH.D.

ASSISTANT PROFESSOR: ALICE SPERDUTI, PH.D.

INSTRUCTOR: DAVID DOUGLAS COFFIN, M.A.

The courses in the Department which may be taken to fulfill the distribution requirement in Group A are Greek 11b, 12a and b, 22a and b, Latin 14a and b, Classics 28, and 18a in combination with 18b or 29b. However, if a student is considering a major in the Department, Classics 18a and b, 28, and 29b are not advised.

Students planning to major in classics who have not offered ancient history for entrance are advised to take History 12.

GREEK

The prerequisite for courses of Grade III is 22b or permission of the instructor.

11 *Elementary Course*. Introduction to the language; reading from Homer. M T W 9. Miss Spurduti.

11b *Elementary Course* (covering the work of two years). Reading from Xenophon, Homer, Euripides, Plato. *Six hours each semester*. Miss Vaughan. (L)

[61] CLASSICAL LANGUAGES & LITERATURES

- 12a *Plato: Apology and Crito*. Prerequisite, two units in Greek or 11. M T W 9. Miss Vaughan. (L)
- 12b *Homer: Selections from Iliad and Odyssey*. Prerequisite, 12a. M T W 9. Miss Vaughan. (L)
- 16 *Elementary Prose Composition*. Prerequisite, two units in Greek, 11, or 11b. One hour each semester. Miss Sperduti.
- 22a *Introduction to the Drama*. Euripides: *Medea*; Sophocles: *Ajax*. Prerequisite, 11b, 12b, or three units in Greek. M T W 12. Mr Coffin. (L)
- 22b *Aeschylus: Prometheus Bound; Sophocles: Antigone*. Prerequisite, 22a or its equivalent. Mr. Coffin. (L)
- [31a *Greek Historians*. Miss Sperduti.]
- 32b *Aristophanes: Frogs; Aeschylus: Agamemnon*. Mr. Coffin.
- 33a *Plato: Republic*. Miss Vaughan.
- [34b *Selections from Lyric and Pastoral Poets*. Miss Vaughan.]
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in the Department. Two or three hours.
- Religion 25b *Greek New Testament*.
- 50, 50a, 50b Research and Thesis. Three or six hours.
- 51a, 51b Advanced studies in Greek literature and archaeology, arranged on consultation. One hour or more.
- Adviser of graduate study: Mr Wright.

LATIN

The prerequisite for courses of Grade III is 14b.

- 11b *Elementary Course* (covering the work of two years). Readings from Latin prose and poetry. Six hours each semester.
- 12a *Vergil: Selections from Aeneid I-VI*. Prerequisite, two units in Latin or three units including Cicero. M T W 11. Mr Wright. (L)
- 12b *Selections from Ovid*. Prerequisite, 12a or permission of the Department. M T W 11. Mr Coffin. (L)
- 14a *Latin Lyric*. Catullus; Vergil: *Eclogues*. Prerequisite, four units in Latin or three units including Vergil. Th F S 9. Mr Coffin. (L)

- 14b *Latin Lyric*. Horace: *Odes* and *Epodes*. Prerequisite, four units in Latin or three units including Vergil or, by permission of the instructor, 12a. Th F S 9. Mr Wright. (L)
- 16 *Elementary Prose Composition*. Prerequisite, four units in Latin, 14b, or permission of the instructor. *One hour each semester*. Mr Coffin.
- 26a, 26b *Intermediate Prose Composition*. Prerequisite for 26a, 16; for 26b, 26a. *One hour*. Mr Coffin.
- 27 *Classical Latin Literature*. Readings in the original from representative authors. Prerequisite, 14b. Mr Wright.
- [31a *Latin Historians*. Alternates with 33a. Mr Wright.]
- [32b *Roman Satire*. Horace, Juvenal, Persius. Alternates with 34b. Miss Sperduti.]
- 33a *Lucretius; De Rerum Natura*. Alternates with 31a. Mr Wright.
- 34b *Medieval Latin Literature*. Alternates with 32b. Miss Sperduti.
- 41, 41a, 41b *Special Studies*. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.
- 50, 50a, 50b *Research and Thesis*. *Three or six hours*.
- 51a, 51b *Advanced studies in Latin literature and archaeology arranged on consultation*. *One hour or more*.
- Adviser of graduate study: Mr Wright.

CLASSICS

- 18a *Masterpieces of Greek Literature in Translation*. M T W 11. Miss Vaughan.
- 18b *Masterpieces of Latin Literature in Translation*. M T W 11. Mr Wright.
- 28 *Classical Backgrounds of English Literature*. Not open to students who have taken 18a or 18b. M T W 9. Mr Coffin.
- 29b *Greek and Roman Drama in Translation*. Emphasis on the plays as a vehicle for philosophic and political thought and social change; ancient aesthetic theory. M T W 10. Miss Sperduti.
- 40b *Review Unit*. Required of all majors in the Department. Miss Vaughan, Miss Sperduti.

THE MAJOR IN CLASSICS

Advisers: Mr Wright, Miss Vaughan.

Based on Greek 11 and Latin 14a and b (or, by permission of the adviser, Latin 12b).

Essential Courses: Greek 16, Latin 16, Classics 40b, eighteen semester hours chosen from Greek 22a and b, 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b.

Optional Courses: other courses in Greek; courses in Latin above Grade I; allied courses in other departments.

A major in Greek or in Latin may be arranged on consultation with the chairman.

Honors

Director: Miss Sperduti.

Prerequisites: Greek 11; Latin 14a and b (or, by permission of the director, Latin 12b).

Program: four hours chosen from Greek 16, Latin 16 (or 26a and b); six hours for the preparation of a long paper; the subject matter of Greek 22a and b and four of the following courses (of which at least two must be Latin)—Greek 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b. The program must include at least three units.

Examinations: one will test the candidate's ability to read Greek and Latin; one her general knowledge of Greek and Latin literature with the historical and archaeological background; and one her mastery of a field of concentration.

Units

The Department will offer units in the fields of classical literature, art, and antiquities for Honors students in classics or in other departments.

ECONOMICS

PROFESSORS:

ESTHER LOWENTHAL, PH.D.

WILLIAM AYLOTT ORTON, M.A., D.SC. (ECON.), LL.D.

†DOROTHY CAROLIN BACON, PH.D.

DOROTHY WOLFF DOUGLAS, PH.D.

ASSOCIATE PROFESSORS:

STANLEY CURTIS ROSS, A.B., LL.D., *Chairman*

EDWARD F. WILLETT, PH.D.

ASSISTANT PROFESSOR:

MARTHA VAN HOESEN TABER, A.M.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Economics 21, 32, 319, Social Science 192.

21 or 22a is the prerequisite for 31b, 33, 35, 312a, 313a, 315, 317b.

21 *Outlines of Economics*. Survey of economic principles and techniques as applied in modern industry, agriculture, transportation, trade, and finance. Open to Freshmen by permission. Lec. M T W 9, Th F S 10. Mr Orton, Mr Ross, Mrs Taber.

[22a *Introduction to Economic Analysis*. Demand and supply, price determination and distribution theory. Open only to students who have passed Social Science 192. Th F S 11. Mr Ross.]

NOTE.—Students who would ordinarily elect 22a should elect instead the first semester of 21 meeting M T W 9.

23b *Accounting*. The theory of debits and credits. The organization and use of accounting records, the construction and interpretation of balance sheets and of statements of revenue and expense, and selected special topics. Two lectures and one two-hour laboratory period. M T 9, M 3-5. Mr Willett.

31b *Public Finance*. Taxation, government spending and borrowing; economic effects and current controversies. M T W 11. Mr Willett.

32 *Labor Problems and the Labor Movement*. Labor history, trade-unionism, women and child workers, personnel management, labor legislation. Also for Sophomores who have passed 21. M T W 12. Mrs Douglas.

33 *History of Economic Theory*. First semester, survey of classical economics; second semester devoted to recent economic thought. M T W 10. Miss Lowenthal.

35 *Money and Banking*. Monetary theory, American and foreign banking, foreign exchange, problems of prosperity and depression. Th F S 9.

38 *Statistical Methods*. Tabulation, graphic representation, averages, measures of dispersion, correlation, index numbers, and the treatment of time series. This course should normally be elected Senior year. Lec. Th F 2; four laboratory hours chosen from T 2-6, Th, F 3-6.

NOTE.—Credit will be given for the first semester if it is followed in the same year by Sociology 43b.

311b *Government and Business*. The development of public control of business in the United States; problems of present-day regulation. Prerequisite, 21, 22a, or permission of the instructor. M T W 2. Mr Willett.

312a *Corporations*. Their organization, accounting, financial policies, and public control. M T W 9. Mr Willett.

313a *International Trade and Finance*. M T W 11. Mr Willett.

314a *Personal Finance*. Topics studied include inflation, tax forms, insurance, annuities, installment buying, home ownership, and investment. Lec. M T 2; Rec. W 10, 2, 3. Mr Willett.

315 *International Economics since 1918*. Special reference given to the effects of the postwar settlements and the economic factors of the war of 1939. Th F S 12. Mr Orton.

317b *Economics of Agriculture*. Theory of land values, American agricultural

development, agricultural-industrial relationships, government and the farmer. Th F S 11. Mr Ross.

319b *Theories and Movements for Social Reorganization*. Comparative economic systems. Also for Sophomores who have passed 21. M T W 11. Mrs Douglas.

40b *Modern Economic Thought*. Required of all Senior majors. W 7:30-9:30. Members of the Department.

41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in economics above Grade I. *Two or three hours*.

[42a *Seminar in Theories of Wages*. Relation of contemporary wage theory to recent governmental labor policies and employer and labor organization. By permission of the instructor. To alternate with 44a. Mrs Douglas.]

[43b *Seminar in Investment Policies*. By permission of the instructor for students who have passed 35 or 312a or are taking 35. Mr Willett.]

44a *Seminar in Organized Labor and the Law*. Legal status of labor in the United States and foreign countries. By permission of the instructor. To alternate with 42a. Mrs Douglas.

[46b *Seminar on Types of Economic Planning under Capitalism and in Mixed Economies*. Recent developments in Poland, Czechoslovakia, and Great Britain. By permission of the instructor. Mrs Douglas.]

History and Social Science 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. See "Interdepartmental Courses," page 48.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies in such subjects as classical economic theory and its modern transformation; international economic organization; corporations: organization and finance; social security and protective legislation. *Two hours or more*.

Adviser of graduate study: Mrs Douglas.

THE MAJOR

Advisers: members of the Department.

Based on 21 or 22a.

Essential Courses: 40b and eighteen semester hours in economics above Grade II except 314b.

Optional Courses: to be arranged.

Majors may spend the Junior year abroad if they meet the college requirements as stated under the description of the Junior Years Abroad.

Honors

Director: Mrs Douglas.

Prerequisite: a grade of B in Economics 21.

Program: all students must take 33 or the equivalent.

In Senior year one fourth or one half of the work of first semester must be spent on the preparation of a paper on an approved topic, involving independent work; in second semester one fourth of the work will be spent on review.

Examinations: general theory and its applications; questions on individual fields in economics; questions co-ordinating the field of the major.

Units

(Six hours each)

Studies in International Economic Organization. *First semester.* Mr Orton.

[Topics in Money and Banking. *First semester.* Miss Bacon.]

[Statistical Methods. *Second semester.* Miss Bacon.]

Corporation Finance and Investments. *Second semester* (alternate years). Mr Willett.

EDUCATION & CHILD STUDY

PROFESSOR:	SETH WAKEMAN, PH.D., <i>Acting Chairman</i> (first semester)
ASSOCIATE PROFESSORS:	MARY WAGNER FROBISHER, M.A., Director of the Elisabeth Morrow Morgan Nursery School
	*CLIFFORD RICHARDSON BRAGDON, A.M., ED.M., <i>Chairman</i>
	HELEN EVANGELINE REES, ED.D., Director of the Smith College Day School
ASSISTANT PROFESSORS:	LORRAINE WINEOW BENNER, A.M.
	LOIS JEAN CARL, PH.D.
LECTURERS:	RONALD JEREMIAH DARBY, ED.M.
	MINNIE MARION STINSON, ED.M.
	RITA ALBERS JULES
	GEORGE T. PRATT, M.ED.
VISITING DIRECTOR OF	
EDUCATIONAL CLINIC:	MARY CHENEY STEPHENSON, ED.M.
INSTRUCTORS:	N. DEMING HOYT, A.B.
	MARY TEELE CAMPBELL, B.S.
ASSISTANT:	ROBERT F. KINDER, A.M.

The following courses are recommended to students planning to major in education and child study: Biological Science 195, Psychology 11 or 12, Social Science 192, Sociology 26, Zoology 12.

An opportunity for educational guidance including improvement in reading and study skills is offered to Freshmen and a limited number of other students. One period each week, hours to be arranged. Mrs Stephenson and Mr Kinder.

Students who desire to comply with the varying requirements of different states for certificates to teach in elementary and secondary schools are urged to consult the chairman as early as possible during their college course. A five-year program leading to the degree of Master of Education fulfills the requirements now set by certain states.

- 21a *Introduction to Education.* Historical and philosophical background of modern educational problems. M T W 2. Mr Wakeman.
- 22a *Educational Psychology.* A study of biological, psychological, and social factors in mental development, with special reference to problems in learning. M T W 12. Mr Wakeman.
- 22b A repetition of 22a. M T W 2.
- 24a *Child Psychology.* Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Prerequisite, Psychology 11 or 12. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 24b *Psychology of Adolescence.* Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Prerequisite, Psychology 11 or 12, Education 22a or b, or permission of the instructor. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 26b *Foundations of Secondary Education.* Characteristics of the secondary school pupil; present status, purpose, and organization of secondary schools; curriculum. Recommended background, 21a and 24b. M T W 2. Mr Bragdon.
- 31a *The Child in Modern Society.* Place of the young child in society; social and educational agencies concerned with child welfare; mental hygiene of early childhood. Directed observations. Th F 3 and one observation period. Mrs Frobisher.
- 34b *Child Study.* Growth, development, and guidance of the young child. Systematic observation and study of preschool children. Recommended background, 24a or 22a or b. Th F 2 with morning observation periods to be arranged. Mrs Frobisher and Miss Benner.
- 35a *Elementary School Child.* Growth and development of the child in the elementary school; study of curriculum and modern practices. Recommended background, 21a and 22a or b or 24a. Two class hours and observation. M T W 9. Miss Rees.

- 36b *American Education*. Evolution of American educational thought and institutions; development of American education related to the growth of the nation. Also for Sophomores who have passed 21a. M T W 9. Mr Hoyt.
- 37a *Comparative Education*. Influence of national attitudes in education. The educational situation in France, Germany, Italy, and Soviet Russia, with special attention to the problems of the postwar period. M T W 3. Mr Hoyt.
- 38b *Youth and Social Change*. Socio-economic changes affecting modern youth; education in a changing society. M T W 3. Mr Hoyt.
- 39a *Educational Measurements*. Study of measures designed to improve instruction and assist pupil adjustment in school. Practice in construction, administration, and interpretation of tests. Th F 2 and a laboratory period. Mr Hoyt.
- 310a *Music Education*. Methods and materials of music education in the pre-school and elementary grades. For majors or by permission of the instructor. M 3-5, T 3. Mrs Scatchard.
- 311b *Art Education Workshop Course*. Theory and practice of art education in the elementary school. By permission of the instructor. Mrs Jules.
- 40b Senior Essay, designed to correlate and unify the student's work in her major field. F 3. Mr Bragdon and members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in education above Grade I. *Two or three hours*.
- 42b *Advanced Educational Psychology*. Selected problems, reports, and discussion. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. Mr Wakeman.
- 43 *Preschool Education*. Theory and practice in the modern nursery school and kindergarten. Two class hours and two periods of participation. Required trip. Prerequisites, 34b and permission of the instructor. Th 4. Mrs Frobisher and Miss Benner.
- 44b *Seminar in Child Psychology*. Selected problems, reports, and discussion. Prerequisites, 24a and permission of the instructor. Miss Carl.
- 45 *Elementary Education*. Theory and practice in the modern elementary school, kindergarten through grade eight. Two class hours and two periods of participation in elementary schools. Prerequisites, 35a and permission of the instructor. Th 4. Miss Rees and Miss Campbell.
- 46 *Secondary Education*. Methods and practices in secondary schools; an intensive study of the teaching of one of the subjects in the curriculum. Observa-

tion and directed practice. Required trip. Prerequisites, 26b and permission of the instructor. Th 4 and one period of observation and practice. Mr Hoyt (first semester), Mr Bragdon (second semester), Mr Darby.

410b *Experimental Educational Psychology*. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. One period for discussion and reports, two laboratory periods. Mr Wakeman.

French 37a *Teachers' Course*.

Music 320 *Elementary School Music*.

Music 46 *Advanced School Music*.

Spanish 32a *Teachers' Course*.

Speech 48a, 48b *Teachers' Course*.

Graduate Courses

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced Studies: special problems in education. *Two hours or more*.

52, 52a, 52b *Problems of American Education*. Required of all candidates for the Master's degree in education. Mr Wakeman and members of the Department.

53b *Preschool and Parent Education*. Mrs Frobisher.

54b *Elementary Education*. Miss Rees.

55b *Problems in Secondary Education*. Mr Bragdon.

56b *Higher Education*. History and present status in the United States. Mr Wakeman.

57 *Problems in the Education of the Deaf*. Historical development of education of the deaf, the physiological and psychological problems of deaf children, and problems of curriculum, with emphasis on language. By permission of the instructor. Mr Pratt.

59, 59a, 59b *Practice Teaching*. Given under the supervision of members of the Department. For qualified graduate students by permission of the Department. *One hour or more*.

510a *Child Development*. Mrs Frobisher.

Adviser of graduate study: Mr Wakeman.

THE MAJOR

Students majoring in the Department may concentrate (1) in child development as preparation for teaching in nursery and elementary schools, (2) in the history, philosophy, or psychology of education, or (3) may prepare for graduate work leading to a professional degree.

Advisers: members of the Department.

Based on 21a or 22a or b and one course in education and child study, psychology, sociology, or Social Science 192.

Essential Courses: 40b and eighteen semester hours in education.

Optional Courses: other courses appropriately related.

Honors

Director: Mr. Bragdon.

Prerequisites: courses listed as bases for the majors.

Program and Examinations: detailed plans of study may be had on consultation with the director.

ENGLISH LANGUAGE & LITERATURE

PROFESSORS:

HOWARD ROLLIN PATCH, PH.D., LITT.D.

PAUL ROBERT LIEDER, PH.D.

ROBERT WITHINGTON, PH.D., OFFICIER DE L'INSTRUCTION
PUBLIQUE

ESTHER CLOUDMAN DUNN, PH.D.

MARY ELLEN CHASE, PH.D., LITT.D., L.H.D.

NEWTON ARVIN, A.B.

CHARLES JARVIS HILL, PH.D., *Chairman*

SAMUEL ATKINS ELIOT, JR., A.B.

HELEN WHITCOMB RANDALL, PH.D.

VISITING PROFESSOR:

ELIZABETH DREW, B.A.

ASSOCIATE PROFESSORS:

** KATHERINE GEE HORNBEAK, PH.D.

† ALFRED YOUNG FISHER, DOCTEUR DE L'UNIVERSITÉ DE DIJON

EDNA REES WILLIAMS, PH.D.

ELEANOR TERRY LINCOLN, PH.D.

ROBERT GORHAM DAVIS, A.M.

DANIEL AARON, PH.D.

ASSISTANT PROFESSOR:

JOAN GRIFFITHS, A.M.

INSTRUCTORS:

EVELYN PAGE, M.A.

GRETCHEN PAULUS, M.A.

ROBERT OTTO PREYER, A.M.

MORTON IRVING SEIDEN, A.M.

GEORGE GIBIAN, A.M.

MARLIES KALLMANN, A.M.

The courses in English which may be taken to fulfill the distribution requirement in Group A are 21, 23, 211.

Students who are planning to major in English and have entered with less than three units of Latin or Greek or a combination of the two, will be required to take Latin 12a, Greek 11, 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b. They are urged to take at least one course each in history and philosophy.

Required Course

- 11 *Freshman English*. Practice in expository and critical writing in connection with the study of selected literary forms. Members of the Department. Director, Miss Chase; Assistant Director, Miss Williams.

A. Language and Literature

- 14a *The Informal Essay*. Florio's Montaigne to Goldsmith. M T W 10. Mr Withington.
- 14b *The Informal Essay of the Nineteenth Century*. M T W 10. Mr Withington.
- 21 *Major Figures in English Literature*. Lec. M 10; section meetings T W 9, 10, Th F 10. Members of the Department. Director, Miss Griffiths.
- 23 *Forms of the Drama*. Survey of the principal forms, European and Asiatic, with special attention to the different kinds of theatre and to the greatest plays and playwrights from Aeschylus to Hebbel. M T W 3. Mr Eliot.
- 25 *Literature of the Middle Ages*. Characteristic ideas in English and Continental literature. Reading based on translations. M T W 9. Mr Patch.
- 28a *Seventeenth Century Poetry from Donne to Dryden*. Th F S 9. Miss Lincoln.
- [28b *Seventeenth Century Prose*. Essays, allegories, plays, character sketches, from Bacon to Congreve. Th F S 9. Miss Lincoln.]
- 211 *Literature of the Nineteenth and Twentieth Centuries*. M T W 9. Miss Randall and Miss Drew.
- 31 *Chaucer*. M T W 10. Mr Patch.
- 32 *The History of the English Language*. Th F S 9. Miss Williams.
- 34 *Sixteenth Century Literature*. Prose and poetry from Wyatt through Spenser, Raleigh, and the early Donne. Th F S 11. Miss Dunn.
- 35a *Drama in England before 1560*. Open to Sophomores by permission of the instructor. M T W 11. Mr Withington.

- 35b *English Drama from 1560 to 1642*. Tudor and Stuart dramatic literature from the accession of Elizabeth to the closing of the theatres. This course includes an examination of Shakespeare's plays in relation to his predecessors, contemporaries, and successors. Open to Sophomores by permission of the instructor. M T W 11. Mr Withington.
- [36 *Shakespeare*. A study of Shakespeare's dramatic development against the background of Elizabethan ideas, social, critical, and theatrical. Not open to students who have taken 37 with which this course alternates. Th F S 12. Miss Dunn.]
- 37 *Shakespeare*. The dramatic and poetic art of Shakespeare. For students majoring in English. Not open to students who have taken 36 with which this course alternates. M T W 12. Mr Hill.
- 38 *The King James Version of the Bible*. Influence of its content and style on other English literature. For students majoring in English. M T W 3. Miss Chase.
- 39b *Milton*. W Th F 2. Miss Lincoln.
- 310a *Eighteenth Century Literature*. M T W 12. Miss Hornbeak.
- 311 *Drama from 1660 to the Present*. Th F S 10. Mr Lieders.
- 312a *Drama in the Last Hundred Years*. Russian drama, French drama of 1845-90, Strindberg, German drama of 1890-1925, and Shaw. No plays read in 311 will be read in this course. Th 4-6, F 4-5. Mr Eliot.
- 312b *Drama in Asia*. India, the Indo-Chinese and Malay countries, Tibet, China, and Japan. Mr Eliot.
- 314 *The English Novel*. M T W 11. Mr Hill.
- 319b *Romanticism*. Blake, Wordsworth, Coleridge, Shelley, and Keats. Th F S 11. Miss Randall.
- 329 *American Literature to 1900*. Th F S 9. Mr Arvin.
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in English above Grade I. *Two or three hours*.
- 42 *Old English*. Language and literature of the Anglo-Saxon period, with emphasis on the study of *Beowulf*. Miss Williams.
- [43b *Seminar: Wordsworth, Coleridge, and Others*. Their poetical and literary theories and innovations; the background both of England and of the Continent, including political and social influences. Th 3-5. Miss Dunn.]

- 44a *Twentieth Century British Literature*. Particularly Yeats, Eliot, Joyce.
M T W 10. Miss Drew.
- 415 *Literary Criticism*. The historical background of modern problems. For
Seniors. Th F S 9. Mr Lieders.
- 416a *Transcendentalism in American Literature*. Emerson, Thoreau, and Whit-
man. M T W 9. Mr Aaron.
- 416b *American Fiction from 1830 to 1900*. Hawthorne, Poe, Melville, and James.
M T W 9. Mr Aaron.
- 417a *Twentieth Century American Literature*. For students who have passed or
are taking 329 or 416b or have passed 416a or by permission of the instructor.
M T W 10. Mr Davis.

B. Composition

Only one course in English composition may be taken in any one semester ex-
cept by permission of the chairman. Second semester courses are open both to
students who have and those who have not taken the corresponding course in the
first semester.

[112a, 112b *Composition for Foreign Students*.]

220a, 220b *Practice in Various Form of Writing*. M T W 11, 2. Miss Page.

345a *Playwriting*. Practice in writing the one-act play. *Two or three hours*.
T 4-6. Mr Eliot.

345b *Playwriting*. 345a is not a prerequisite, but students who have passed it will
write a full-length play. Mr Eliot.

347a *Studies in Style and Form*: the expression of different kinds of experience.
By permission of the instructor. M T W 2. Mr Davis.

347b Techniques of fiction and criticism with some consideration of poetry and
expository form. By permission of the instructor. M T W 2. Mr Davis.

[348a *Poetics and Practice in Verse Writing*. By permission of the instructor. Mr
Fisher.]

428 *Advanced Composition*. For Seniors by permission of the instructor. T 4-6.
Miss Chase.

429a, 429b *Advanced Playwriting*. Prerequisite, 345a or b or the equivalent. *One
hour or more*. Mr Eliot.

C. Graduate Courses

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies arranged in consultation with the Department.
One hour or more.

53 *Seminar in Middle English Poetry.* Emphasis will be placed on the works of Chaucer, medieval romances, or medieval drama, according to the special needs of the students. Attention will be given not so much to the reading of texts as to problems of research. Mr Patch.

54a *Early English Drama.* Mr Withington.

54b *Elizabethan Drama.* Mr Withington.

55 *Shakespeare.* Critical problems, textual and literary. Lectures and reports.
Miss Dunn.

[57 *Studies in Seventeenth Century Literature.*]

58a *Studies in Eighteenth Century Literature.* Miss Hornbeak.

59a, 59b *Studies in Nineteenth Century Poetry.* Mr Lieders.

510b *Studies in Prose Fiction.* Mr Hill.

512a, [512b] *Studies in American Literature.* Mr Arvin.

Adviser of graduate study: Miss Williams.

THE MAJOR

Advisers: Mr Patch, Mr Lieders, Mr Withington, Miss Dunn, Mr Arvin, Mr Hill, Miss Hornbeak, Mr Fisher, Miss Williams, Mr Davis.

Based on six semester hours from Division A or General Literature 291.

Essential Courses: 40b and eighteen semester hours from Division A, including at least one of the following: 31, 32, 42, or a course in Greek language and literature.

Optional Courses: nine semester hours in English or foreign literatures or in closely allied fields.

In consultation with her adviser every student should arrange the program of her three upper years so as to allow for a reasonable distribution in different periods of literature.

Honors

Director: Miss Lincoln.

Prerequisites: see the requirements for entrance to the major.

Program: students must fulfill the general requirements of the major. The units offered by the Department cover the fields of literary history, major figures, the primary types, and literary theory and criticism. Candidates must take at least one unit each year in the Junior and Senior years.

In the first semester of Senior year Honors students will present a long paper to count for six hours, but not within the essential eighteen semester hours outlined in the major.

Each student must correlate a small and carefully circumscribed area of her work in English with at least three hours in units or courses in a closely related field, *e.g.* history, philosophy, religion, classics, modern languages, the theatre, art, and music; or with work in linguistics and composition in the Department. Examinations: two examinations will be general, the third will test the candidate's work in her chosen program of correlation.

A fuller statement of the Honors program may be obtained from the director or the advisers of the major.

FRENCH LANGUAGE & LITERATURE

PROFESSORS:	VINCENT GUILLOTON, AGRÉGÉ DE L'UNIVERSITÉ HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS
ASSOCIATE PROFESSORS:	RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ DE PARIS, <i>Chairman</i> LOUISE MARIE BOURGOIN, LIC. ÈS L., O.A. MADELINE GUILLOTON, LIC. ÈS L. A.M. MARTHE STURM, LIC. ÈS L., DIPLÔME D'ÉTUDES SUPÉRIEURES MARGARET HILL PEOPLES, PH.D. * * MARINE LELAND, PH.D. A. JEANNE SALEIL, AGRÉGÉE DE L'UNIVERSITÉ
ASSISTANT PROFESSORS:	JEANNE SEIGNEUR GUIET, A.M. * * ANNE GASOOL, A.M. RUTH TEMPLETON MURDOCH, PH.D.
INSTRUCTORS:	ALICE LOUISE BENJAMIN, A.M. GEORGE BIGLER BOSWELL, A.M. WILSIE FLORENCE BUSSELL, PH.D. MARY LOUISE LIBBY, A.M.

The course in French which may be taken to fulfill the distribution requirement in Group A is 26.

All classes in the Department except 312a are conducted in French.

Freshmen who plan to major in French or who hope to spend the Junior year in Paris or in Geneva are advised to take 13 or 22a and b.

It is recommended that students have a reading knowledge of a second language (ancient or modern), and that those planning to major in French take a general course in English literature and one in European history.

A. Language

11b *Elementary Course* (first and second parts). *Six hours each semester.* M T W Th F 10 or 12, and one hour to be arranged. Members of the Department. (L)

- 12 *Elementary Course* (second part). Prerequisite, two units in French. M T W 10, 12; Th F S 10, 11, 12. Members of the Department. (L)
- 13 *Reading, Grammar, and Composition*. Prerequisite, three units in French, 12, or 11b. M T W 9, 12; Th F S 9, 10, 11. Members of the Department.
- 22a, 22b *Intermediate Course*. Reading and discussion of modern texts. Written and oral reports. Prerequisite, four units in French, 13, or 16. M T W 9, 10; Th F S 11. Members of the Department.
- 24a *Theoretical and Practical Phonetics*. Exercises in hearing, pronunciation, and phonetic dictation. Two class hours. *One hour*. Th F 4. Miss Sturm.
- 24b A repetition of 24a.
- 31a *Advanced Course in Grammar and Composition*. Recommended to those who intend to teach French. Prerequisite, 22a and b. M T W 10.
- 34b *Advanced and Experimental Phonetics*. Prerequisite, 24a or b. *Two hours*. Miss Sturm.
- 37a *Teachers' Course*. Discussion of problems of modern language teaching. Miss Cattànès.

B. Literature

Unless otherwise stated the prerequisite for courses of Grade III is 26.

- 16 *Introduction to French Literature*. Choice of representative texts; literary, historical, and cultural background. Prerequisite, three units in French, 12, or 11b. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)
- 26 *Masterpieces of French Literature of the Nineteenth Century*. Novel, drama, poetry. Prerequisite, four units in French, 13, or 16. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L)
- [310b. *Life and Works of Molière*. Alternates with 321b. W Th F 2. Miss Leland.]
- 311 *French Literature in the Seventeenth and Eighteenth Centuries*. Th F S 9. Miss Cattànès.
- 312a *French-Canadian Civilization from 1763 to the Present*. Conducted in English. Recommended background, a reading knowledge of French. W Th F 2. Miss Leland.
- [313b *French Literature in the Eighteenth Century*. Th F S 10. Mr Guet.]
- 316a *French Literature to the End of the Renaissance*. Th F S 10. Mr Guet.
- 318a *Contemporary French Drama and Poetry*. Recommended background, 311. Th F S 11. Mrs Guilloton.

318b *Contemporary French Novel*. Recommended background, 311a and b.
Th F S 11. Miss Saleil.

321b *Life and Works of Racine*. Alternates with 310b. Mr Guilloton.

[323a *French Civilization*. Physical environment of France, the French people, survival of characteristics in the provinces, institutions of modern France, French colonies. For students who have passed or are taking 311.
Th F S 11.]

40b Review Unit.

41, 41a, 41b Special studies in French language or literature. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in French. *Two or three hours*.

45a *History of Modern French Thought*. The Renaissance to the present. For Seniors by permission of the instructor. Miss Sturm.

47a *Rousseau*. Alternates with 48a. For Seniors by permission of the instructor. Miss Peoples.

[48a *Victor Hugo*. Alternates with 47a. For Seniors by permission of the instructor. Miss Peoples.]

Graduate Courses

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced studies arranged in consultation with the Department.
One hour or more.

52 *Old French*. Linguistics and literature. Miss Leland.

53 *Problems of Modern Syntax*. Miss Cattànès.

56a *Development of Literary Criticism in France*. Mr Guilloton.

[56b *Literary Relations between England and France in the Eighteenth Century*.
Mr Guilloton.]

58b *Montaigne*. *One hour or more*. Mr Guet.

510b *French Poetry from 1885 to the Present*. Mrs Guilloton.

Adviser of graduate study: Mr Guilloton.

THE MAJOR

Advisers: Miss Peoples for 1952, Mrs Guet for 1953.

Based on 26; on 16 or 13 if 26 is taken Junior year in addition to the major.

Essential Courses: 40b and eighteen semester hours in French.

Optional Courses: other courses in the Department or in allied fields.

Honors

Director: Miss Leland.

Prerequisite: 26.

Program:

Requirements: the general requirements for the major; a unit involving the writing of a paper; a review unit.

Optional: with the approval of the director any unit or course in French or in an allied field of Grade III or IV or, for Seniors, Grade V.

Examinations: of the three examinations, the two on literature will be written in English. One general examination on the whole field of French literature; one specialized examination on a limited period (sixteenth, seventeenth, eighteenth, or nineteenth century, or the modern field); one on language with translation from English to French, from French to English, and a short composition in French.

GEOLOGY & GEOGRAPHY

ASSOCIATE PROFESSORS: ROBERT FRANK COLLINS, A.M.

CAROLINE HEMINWAY KIERSTEAD, PH.D., *Chairman*

BENJAMIN MARTIN SHAUB, PH.D.

ASSISTANT PROFESSORS: HELEN STOBBE, PH.D.

MARSHALL SCHALK, PH.D.

TEACHING FELLOW: ROSALIND ROBINSON, A.B.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Geology 11 and Physical Science 194.

Students planning to major or to do Honors work in geology or geography are advised to take at least one of the following: chemistry, physics, or zoology.

11 *General Geology*. Forces of nature now modifying the materials and structure of the earth; history of the earth. Field trips. Two lectures and one hour of discussion following two hours of laboratory. Lec. Th F 10; Lab. and discussion M 10-1, M, T, Th, F 2-5, S 9-12. Mr Collins, Mr Schalk.

[13 *North America*. Nature and origin of the continent's physical features and natural resources; their part in colonization and industrial expansion.]

21a, 21b *Introductory Meteorology*. The weather elements; their observation; air mass analysis; short-term and aeronautical forecasting; climatology. Prerequisite for 21b, 21a. Two lectures and one demonstration. Th F S 9. Mr Schalk.

23a, 23b *Paleontology*. Morphology, classification and geological significance of fossil invertebrates. Prerequisite, 11 or elementary zoology; 23a is not required for 23b. Two lectures and two hours of laboratory. Lec. T W 12; Lab. W 2-4. Mrs Kierstead, Miss Robinson.

- 24a *Mineralogy*. General principles; study of the more important rock-forming and economic minerals. For students who have passed or are taking 11, Chemistry 11 or 12, or Physics 11. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 25b *Lithology*. Interrelation of the main rock types; their origin, structure, mineral composition, occurrence, and economic importance. Field methods of identification. Prerequisites, 11 and 24a. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 26 *Economic Aspects of Geography*. Natural resources of the world in relation to climatic, physiographic, and geologic setting; geographic factors in the development of the world's great trade routes. M T W 11. Mr Shaub.
- 28a *Principles of Surveying, Cartographic Drafting, Editing, Reproduction*. Practice in map reading, compilation and simple map drafting. Lecture, two hours; laboratory, three hours. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.
- 29b *Geologic and Geographic Illustration*. Charts, graphs, block diagrams, sections. Drawing for reproduction. Two lectures and three hours of laboratory. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.
- 211a *Gems and Precious Stones*. Their properties, origin, and occurrence; their recovery, processing, and marketing; their history. M T W 10. Mr Shaub.
- 212b *Gems and Precious Stones*. Laboratory identification of natural, synthetic, and artificial gems; cutting and processing semiprecious stones. Prerequisite, 211a. One hour. Mr Shaub.
- 31a *Geography of Asia*. Influence of relief, climate, and natural resources on the life, movements, and history of its peoples. M T W 10. Miss Stobbe.
- 31b *Europe and North Africa*. Geographic backgrounds of current problems. M T W 10. Miss Stobbe.
- 32a *South America*. Geography of the continent; climatic and physiographic backgrounds of cultural, political, and economic development. M T W 12. Miss Stobbe.
- 33a *Geomorphology*. Principles and processes of landform development. Geomorphic cycles. Principles and examples of landform classification. Prerequisite, 11. Th F 11 and hour recitation to be arranged. Mr Collins.
- 33b *Physiography of the United States*. Surface expression as function of lithology, structure, climate, and cycle of the Physiographic Provinces of the United States. Prerequisite, 33a. Th F 11 and one hour recitation to be arranged. Mr Collins.

- 34a, 34b *Economic Geology*. Lectures and laboratory study of geological products of commercial value. Prerequisites, 11, or 24a, or Chemistry 11. Lec. Th. F 12; Lab. hours to be arranged. Miss Stobbe.
- [35a, 35b *Historical Geology*. Evolution of modern life and its relation to Cenozoic environment. Prerequisite for 35a, 11; for 35b, 35a. Mr Collins.]
- 36a, 36b *Field Geology*. Methods; theory and use of Brunton, alidade, and other mapping instruments; topographic and geologic surveying; applied structural geology. Prerequisite for 36a, 11; for 36b, 36a. T Th 2-6. Mrs Kierstead.
- [37a *Stratigraphy*. Geological systems and subdivisions; their invertebrate fossil content and lithologic characteristics. A field trip of one or more days. Prerequisite, 23a or b. Mrs Kierstead.]
- 38a *Optical Mineralogy*. Optical properties and identification of minerals in fragments and thin sections. Prerequisite, 25b. Mr Shaub.
- 39b *Petrography*. Identification and classification of rocks with the polarizing microscope. Prerequisite, 38a. Mr Shaub.
- 314b *Geology of Petroleum and Natural Gas*. Their origin, occurrence, and distribution; application of geological principles to their finding and exploitation. Prerequisite, 11, Physical Science 194, or permission of the instructor. Mr Schalk.
- [322b *Structural Geology*. Origin and surface expression of the structural elements of the earth's crust. Open to students who have passed Geology 11. Lec. T W 11; Lab. two hours to be arranged. Mrs Kierstead.]
- 40b Senior Review Essay. For Seniors majoring in geology or geography. M 2-5. Miss Stobbe and members of the Department.
- 41, 41a, 41b Special studies in geology or geography. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.
- 46a, 46b *Micropaleontology*. A study of micropaleontology with particular emphasis on Foraminifera, their classification and importance in petroleum geology. By permission of the instructor. Lec. T W 11; Lab. four hours to be arranged. Mrs Kierstead.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51 51a, 51b Individual problems in geology or geography. *Two hours or more*.
- 52, 52a, 52b *Paleontology or Stratigraphy*. *Two hours or more*. Mrs Kierstead.
- 53, 53a, 53b *Physiography*. *Two hours or more*. Mr Collins.

54, 54a, 54b *Structural Geology*. *Two hours or more*. Mrs Kierstead.

55, 55a, 55b *Crystallography, Mineralogy, Petrology, or Gemology*. *Two hours or more*. Mr Shaub.

57, 57a, 57b *Petroleum Geology*. *Two hours or more*. Mr Schalk.

Adviser of graduate study: Mrs Kierstead.

THE MAJORS

Geology

Adviser: Mrs Kierstead.

Based on 11, or, by permission of the Department, on Physical Science 194.

Essential Courses: 36a and b, 40b, and twelve semester hours in geology.

Optional Courses: other courses in geology or in other sciences.

Geography

Adviser: Mrs Kierstead.

Based on 11, 13, 21a, or 26.

Essential Courses: 11 if not already taken; 40b and twelve semester hours above Grade II in the Department.

Optional Courses: other courses in geology; courses in other sciences, history, and economics.

Honors In Geology

Director: Mrs Kierstead.

Prerequisites: 11, and 23a and 23b or 24a and 25b; and one year of college chemistry, physics or zoology.

Program:

Requirements: 23a and 23b or 24a and 25b (whichever has not been taken previously); 33a and 33b; 36a and 36b; 40b; and six additional hours of Grade III or above in geology or six hours in an advanced course of a science other than geology.

Examinations: two will be in the general field of the major; a third may be in a field of concentration.

GERMANIC LANGUAGES & LITERATURES

PROFESSOR:	PAUL GERALD GRAHAM, PH.D.
ASSOCIATE PROFESSORS:	MARIE SCHNIEDERS, PH.D., <i>Chairman</i> WOLFGANG PAULSEN, PH.D.
ASSISTANT PROFESSOR:	ANITA LURIA ASCHER, PH.D.
INSTRUCTOR:	HELENE SOMMERFELD, A.M.

The courses in German which may be taken to fulfill the distribution requirement in Group A are 25a and b, 26, 27a and b.

Students who possess a thorough knowledge of German considerably in excess of what they need to offer for admission, or of what their preparatory school work indicates, may be assigned to more advanced classes. They should consult the chairman of the Department.

Students planning to major in German should carry work in German in the first two years. A course in European history and a course in philosophy are also recommended.

Those who need a knowledge of German for use in the sciences will be given appropriate reading in the various German courses.

A. German Language

- 11 *Elementary Course*. Five class hours. *Three hours each semester*. M T W Th F 9, 11, 12. Miss Schnieders (*Director*), Mr Graham, Mrs Sommerfeld.
- 11b *Elementary Course* (covering the work of two years). Seven class hours. *Six hours each semester*. M T W Th F 10 and two hours to be arranged. Miss Ascher. (L)
- 12 *Intermediate Course*. Prerequisite, two units in German or 11. M T W 11, T F S 11. Miss Ascher, Mrs Sommerfeld. (L)
- 21 *Composition and Conversation*. Prerequisite, three units in German, 11b, 12, or the equivalent. M T W 9. Mrs Sommerfeld.

B. German Literature

The prerequisite for courses of Grade III is a Grade II course or the equivalent.

- 25a, 25b *Modern Prose*. The *Novelle* of the nineteenth and twentieth centuries. Prerequisite, three units in German, 11b, 12, or the equivalent. Th F S 11. Miss Ascher. (L)
- 26 *An Introduction to the Classical Literature of the Eighteenth Century*. Selections from the works of Lessing, Goethe, and Schiller. Prerequisite, three units in German, 11b, 12, or the equivalent. M T W 10, Th F S 10. Mr Graham, Miss Schnieders. (L)
- 27a *German Literature in Translation*. Classicism and romanticism. M T W 11. Mr Paulsen (*Director*) and members of the Department.
- 27b *German Literature in Translation*. Realism, naturalism, and contemporary literature. M T W 11. Mr Paulsen (*Director*) and members of the Department.
- 34a, 34b *German Literature of the Nineteenth Century*. Beginning with the romantic movement. Th F S 9. Mr Graham.

- 35b *An Historical Survey of German Literature*. The earliest times to the middle of the eighteenth century. Miss Ascher.
- 38a *Masters of Modern German Literature*. Selected works of representative writers since 1890. Th F S 11. Mr Paulsen.
- 311a *Goethe: His Life and Works*. Th F S 10. Mr Paulsen.
- 311b *Goethe's Faust, Parts I and II*. Th F S 10. Mr Paulsen.
- 40b Directed Reading required of Seniors majoring in the Department.
- 41, 41a, 41b Special studies arranged in consultation with the Department. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in German.

C. Germanic Philology

- 42a *Historical Survey of the German Language*. Miss Schnieders.

D. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Special studies in the fields of literature and linguistics arranged in consultation with the Department. *One hour or more*.

Adviser of graduate study: Mr Paulsen.

THE MAJOR

Adviser: Miss Schnieders.

Based on 11b or 12.

Essential Courses: 21, 35b, 40b, and nine semester hours of other German courses above Grade II.

Optional Courses: courses in German except 27a and b, in literature, history, or philosophy.

Honors

Director: Mr Paulsen.

Prerequisites: 21, 26, or the equivalent.

Program: a minimum of forty-eight semester hours.

Requirements: a minimum of twenty-four semester hours in the Department; twelve hours in related fields; three or six in first semester of Senior year on the preparation of a paper; three in second semester on directed reading.

Examinations: an examination on the general field; one on a specialized field; and an analytical examination which may include such topics as problems of analysis, criticism, and style, translation from German into English and from English into German, a composition in German.

Units

The Department will offer units in the fields of linguistics, literature, and language for Honors students in German or for Honors students in other departments who have had a Grade II course in German. In addition units conducted in English will be offered for Honors students in other departments who have had no German.

GOVERNMENT

PROFESSOR:	BENJAMIN FLETCHER WRIGHT, PH.D., LL.D.
ASSOCIATE PROFESSORS:	GWENDOLEN MARGARET CARTER, PH.D., <i>Chairman</i> ALAN BURR OVERSTREET, PH.D.
ASSISTANT PROFESSORS:	JACK WALTER PELTASON, PH.D. CECELIA MARIE KENYON, PH.D. WILLIAM EDWARD LEUCHTENBURG, A.M.
LECTURER:	DANIEL AARON, PH.D.
INSTRUCTORS:	JOHN PAUL TREVITHICK, M.A. ROY PIERCE, PH.D.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Government 11, 21, 31, 37, 323, Social Science 192.

For students planning to major or to do Honors work in the Department, 21, History 11, Economics 21, and Sociology 26 are suggested. See also the Honors program.

- 11 *Introduction to Politics.* Leading problems, principles, and concepts in political science. For Freshmen and Sophomores only; not open to students who have taken Social Science 192. Two lectures and one recitation. Lec. M T 12. Rec. W 9, 12, 2; Th 11, 12, 3; F 11, 2. Mr Overstreet, Mr Pierce, and members of the Department.
- 11a The first semester of 11 for Sophomores who have passed Social Science 192. Hours and instructors as in 11.
- 21 *American Government.* A survey of American government—national, state, and local. Primarily for Sophomores and for Juniors and Seniors not majoring in the Department. Th F S 11. Mr Peltason.
- 31 *Comparative Government.* Ideas and institutions of democratic and totalitarian governments, with special attention to England, France, Germany, and Russia in comparison with the United States. Recommended preparation, 11 or History 11. M T W 9. Mr Pierce.
- 32b *The Commonwealth of Nations.* Its development and organization, and a study of political ideas and institutions in Canada, Australia, New Zealand, South Africa, India, Pakistan, and Ceylon. Th F S 10. Miss Carter.

- [33a *American Constitutional Development*. The origins and framing of the Constitution; contemporary interpretations; the study of Supreme Court decisions, documents, and other writings dealing with the interpretation of the Constitution, with emphasis upon changing ideas concerning federalism, property rights, and civil liberties.]
- 33b *American Constitutional Law*. Powers of the national government and fundamental rights of citizens as interpreted by decisions of the Supreme Court. Th F S 12. Mr Peltason.
- 34a *American Politics: Political Parties*. Their techniques and their place in the American system. M T W 3. Mr Leuchtenburg.
- [34b *American Politics: Pressure Groups*. A study of their role in American politics and their effect on the theory and practice of "government by public opinion."]
- [35b *International Law*.]
- 36a *Public Administration*. A general survey of the field of public administration, including the relationship of the administration to other branches of the government, public policy, the role of the expert, and administrative techniques and responsibility. Th F S 9. Mr Trevithick.
- 36b *Public Administration*. Political aspects of government regulation, with emphasis on transportation, public utilities, housing, and atomic energy development. Th F S 9. Mr Trevithick.
- 37 *International Relations*. The context, practices, and problems of international politics; an introduction to international law and international organization; the conflict of foreign policies. Open by permission of the instructor to Sophomores who have taken 11. M T W 10. Mr Overstreet.
- 38a *American Political Thought*. Th F S 10. Miss Kenyon.
- 322a *American Diplomacy*. A study of the foreign policy of the United States to 1898. M T W 11. Miss Bornholdt.
- 322b *American Diplomacy*. A study of the foreign policy of the United States since 1898. M T W 11. Mr Overstreet.
- 323 *History of Political Thought from Plato to the Present*. Greek political philosophy, the Stoics, medieval theory, rise of the nation-state, and approaches to an international world order. Designed to provide a foundation for the understanding of current political problems. Th F S 11. Miss Carter.
- 342b *Local Government and Politics*. Policy-making and administration in municipal and rural government, including the study of political machines and urban planning. M T W 3. Mr Leuchtenburg.

- 40b Directed Reading required of Seniors majoring in the Department. Miss Kenyon, Mr Trevithick, and members of the Department.
- 41, 41a, 41b Special studies in advanced work arranged for individuals or small groups. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in government. *Two or three hours.*
- 42b *Seminar in Contemporary Political Thought.* By permission of the instructor. Miss Carter.
- 43a *Seminar in International Organization.* By permission of the instructor. Mr Overstreet.
- 44a *Seminar in American Government.* By permission of the instructor. Mr Leuchtenburg.
- 45a *Seminar in Comparative Institutions.* By permission of the instructor. Mr Pierce.
- 46b *Seminar in American Political Thought.* By permission of the instructor. Mr Aaron.

HISTORY AND SOCIAL SCIENCE 495b *Interdepartmental Seminar in Economics, Government, History, and Sociology.* See "Interdepartmental Courses," p. 48.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced Studies. *Two or three hours.*

[55a], 55b Seminar.

Adviser of graduate study, Miss Kenyon.

THE MAJOR

Advisers: Miss Carter, Miss Kenyon, Mr Peltason, Mr Leuchtenberg.

Based on 11 or Social Science 192 and Government 11a, or in exceptional circumstances on a satisfactory combination of courses approved by the chairman.

Essential courses: 323, 40b, and twelve semester hours in government.

Optional courses: nine semester hours selected from government and approved courses in history, economics, sociology, philosophy, or religion.

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

Honors

Director: Miss Carter.

Prerequisites: 11 and an introductory course in history, economics, or sociology; or Social Science 192 and Government 11a and one introductory course in history; or in exceptional circumstances a satisfactory combination of courses approved by the director.

Minimum requirement: (1) one unit or seminar in Junior and in Senior year; (2) the unit in political theory or 323 in Junior year; (3) a long paper, normally three hours each semester of Senior year; (4) directed reading, normally three hours, in second semester of Senior year.

Examinations: comprehensive examinations consisting of a general examination in political science and theory, one in the special field, and one in a specific subject.

Units

Political Theory. First semester. Miss Carter.

Comparative Government. Second semester. Mr Pierce.

International Law and Relations. Second semester. Mr Overstreet.

[*Studies in the American Democratic Tradition.* Second semester. Mr Aaron.]

American Politics. First semester. Mr Peltason.

HISTORY

PROFESSORS:

SIDNEY R. PACKARD, PH.D.

** HAROLD UNDERWOOD FAULKNER, PH.D., L.H.D.

VERA BROWN HOLMES, PH.D.

LEONA CHRISTINE GABEL, PH.D.

VINCENT M. SCRAMUZZA, PH.D.

ASSOCIATE PROFESSORS:

JEAN STRACHAN WILSON, PH.D., *Chairman*

§ ELISABETH KOFFKA, PH.D.

MAX SALVADORI, DR.SC. (POL.)

DAVID DONALD, PH.D.

ASSISTANT PROFESSORS:

LAURA ANNA BORNHOLDT, PH.D.

JANE ELEANOR RUBY, PH.D.

KLEMENS VON KLEMPERER, PH.D.

INSTRUCTOR:

NELLY SCHARGO HOYT, PH.D.

TEACHING FELLOWS:

DAISY NEVILLE JENKINS, A.B.

DOROTHY LOIS MUNRO, B.A.

The prerequisite for all courses in the Department is 11, 12, or 13.

The distribution requirement in Group D may be met by any one of these courses. Qualified students who may wish to fulfill this requirement by taking courses of Grade II should consult the chairman of the Department.

11 *General European History.* A survey of the history of Europe from the decline of the Roman Empire to the present. One lecture and two recitations. Lec. M 2. Rec. T W 10, 11, 12, 2; Th F 9, 10, 11, 12. Members of the Department. *Director*, Mr von Klemperer.

12 *The Ancient World.* A survey of Mediterranean civilizations to the fall of the Roman Empire. Two lectures and one recitation. Lec. M T 10; Rec. W 10, 12, 3. Mr Scramuzza and other members of the Faculty.

- 13 *History of the Western Hemisphere.* A study of the Americas from the age of discovery to the present: the European heritage, the growth of colonial societies, imperial rivalries, the development of a variety of cultural patterns, and the evolution of the United States, Canada, and the Latin American nations in their world setting in the nineteenth and twentieth centuries. Th 9, 10, or 12 and F S 9. Mrs Holmes with the co-operation of Mr Faulkner, Mr Donald, and others.
- 24a *Early English History to 1603.* M T W 11. Mr Packard.
- 24b *English History since 1603.* M T W 11. Miss Wilson.
- 28 *History of the United States.* A survey of the life of the American people from the eighteenth century to the present, emphasizing cultural and economic as well as political factors in the development of the nation. Th F S 10. Mr Donald.
- 29a *American Economic History since 1865.* Economic development of the United States and its influence upon political history. M T W 10. Mr Faulkner.
- [32a *The Ancient Near East.* Civilization in Egypt, Mesopotamia, Asia Minor, Syria, Palestine, and Persia. Open to Sophomores by permission of the instructor. M T W 9. Mr Scramuzza.]
- [32b *The Struggle for Democracy and Liberty in Ancient Greece and Rome.* Open to Sophomores by permission of the instructor. M T W 9. Mr Scramuzza.]
- 33a *History of Greece in the Age of Pericles.* A study of Greek civilization at its height, with an epilogue on the Hellenistic period. Open to Sophomores by permission of the instructor. M T W 9. Miss Ruby.
- [33b *The Roman Empire.* Chiefly a social and political study. Open to Sophomores by permission of the instructor. M T W 9. Mr Scramuzza.]
- [34b *Economic and Social History of Europe in the Middle Ages.* Recommended background, 11, 24a, or 35b. M T W 10. Mr Packard.]
- 35b *Cultural History of Europe in the Middle Ages.* Recommended background, 11, 24a, or 34b. M T W 10. Mr Packard.
- 36 *Age of the Renaissance and Reformation.* A study of the transition from medieval to modern times. Th F S 9. Miss Gabel.
- 38a *Intellectual History of Europe in the Eighteenth Century.* Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Hoyt.

- 38b *Intellectual History of Europe in the Nineteenth Century*. Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mr von Klemperer.
- 39 *Modern European History*. Political, economic, and social developments during the nineteenth and twentieth centuries. M T W 12. Mr Salvadori.
- 310a *Modern Britain*. Political, social, and intellectual history of Britain in the nineteenth and twentieth centuries. To alternate with 311a. M T W 11. Miss Wilson.
- [311a *England under the Tudors and Stuarts*. Political, social, and intellectual history of England in the sixteenth and seventeenth centuries. To alternate with 310a. M T W 11. Miss Wilson.]
- 316b *Modern Imperialism*. Changing conceptions of imperialism in the nineteenth and twentieth centuries under the impact of power politics and ideological factors, with special reference to British, French, and Russian rivalries in Asia and Africa. Th F S 11. Mrs Holmes.
- 317a *History of Russia from the Kievan Period to the Present*. Th F S 10. Mr von Klemperer.
- 317b *The Far East in Modern Times*. A survey of political, economic, and diplomatic developments, with emphasis on China and Japan. Th F S 10.
- [319a *The Disruption of the American Nation, 1828-60*. Economic, political, and cultural manifestation of sectionalism. Special emphasis will be given to the ante-bellum South and to the institution of slavery. Th F S 10. Mr Donald.]
- 320a *History of the United States in Recent Times*. Effects of social and technological changes on the economic problems of the American people, their political interests and party organizations, cultural development, and relations with the rest of the world. M T W 11. Mr Faulkner.
- 321a *American Intellectual History, 1607-1865*. Early development of significant American ideas and social attitudes in relation to social and economic environment. Special emphasis on interchange of American and European ideas, agencies of intellectual life, and developments in religion, science, and the arts. Th F S 11. Mr Donald.
- 321b *American Intellectual History, 1865-1950*. The historical background of contemporary American thought, emphasizing the influence of industrialism, science, and religion. Th F S 11. Mr Donald.
- 322a *History of the Foreign Policy of the United States to 1898*. Recommended background, Government 37 or a course in American history. M T W 11. Miss Bornholdt.

- 322b *History of the Foreign Policy of the United States since 1898.* M T W 11. Mr Overstreet.
- 325a *Latin American History.* Political, economic and cultural development of the Spanish American states and Brazil in the nineteenth and twentieth centuries. Open to Sophomores by permission of the instructor. Th F S 11. Mrs Holmes.
- [331b *Modern Historical Thought.* A study of philosophies and general interpretations of history from the eighteenth century to the present. For Seniors majoring in history, for nonmajors by permission of the instructor. Th F S 9. Miss Ruby.]
- 40b Senior Symposium. An examination of the purpose of historical study, of the problem of historical truth, and of some current interpretations of universal history. Lecture, T 3. Discussion groups, T 7.30, W 2.30, Th 2.30, 4. Members of the Department. *Director*, Miss Ruby.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours in history above Grade I. *Two or three hours.*
- [42b *The Civil War and the New Nation.* Political, social, and economic impact of the Civil War; the reconstruction era; the new nationalism. Prerequisite, 319a or 28 and permission of the instructor. Mr Donald.]

Undergraduate Seminars

These courses are limited to ten students and are open with the permission of the instructors to Seniors, and to Juniors who have completed a second course in history. They will ordinarily meet each week for two hours, counting as *three*. In special cases Honors students may be permitted to take a seminar for *six* hours credit.

- [43b *Ancient History.* Problems in the decay of civilization drawn from the decline of ancient Greece and Rome. Mr Scramuzza.]
- 44b *The Medieval Town of the Twelfth and Thirteenth Centuries.* T 4. Mr Packard.
- 45a *Early Modern History.* Government and society in England under the Tudors and Stuarts. Miss Wilson.
- 46b *The Age of the Renaissance.* For 1951-52, The Renaissance in Italy. Miss Gabel.
- 48a *Revolution and Dictatorship.* The French Revolution and Napoleon, with special attention to the influence of liberal thought, the role of pressure groups, development of nationalism and imperialism, and rise of dictatorships. Miss Gabel.
- [49b *Problems of Social Reconstruction in Modern Britain.* Miss Wilson.]

- 410a *The Growth of Liberal Institutions in European States, 1848-1913*. M 4. Mr Salvadori.
- [411a *Romanticism and Liberalism*. Main currents of thought in the first half of the nineteenth century, with special attention to their influence on the political developments during this period. Th 7:30. Mrs Koffka.]
- [411b *Selected Topics from the History of German Nationalism*. Th 4. Mr von Klemperer.]
- 412a *American Intellectual History*. Miss Bornholdt.
- 413a *The Early National Period*. American history after 1789, studied through such topics as nationalism, sectionalism, rise of democracy, and development of the industrial revolution. Th 7:30. Mr Donald.
- 415b *American Foreign Policy since 1898*. Special emphasis will be given to the Pacific area. Miss Bornholdt.
- 420b *Inter-American Relations*. Problems in the relations of the United States with Latin America and Canada since 1900. Th 4. Mrs Holmes.
- 425b *History and Historians*. A study of great historians and of the development of historical thought. Required of all Senior Honors students and open to properly qualified Major and Graduate students by permission of the director. M 7:30. Members of the Department. *Director*, Miss Ruby.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. See "Interdepartmental Courses," page 48.

Graduate Seminars

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Special problems in advanced work in history, arranged individually with Graduate students. *One hour or more*.
- 55b *Modern European History: Nationalism and Socialism after 1880*. M 4. Mr Salvadori.
- 56b *Early American History*. Mr Donald.
- 57a *Recent American History*. Mr Faulkner.
- 58a *Modern Imperialism*. Selected Topics. For 1951-52, India and Southeast Asia. Mrs Holmes.

Adviser of graduate study: Mrs Holmes

THE MAJOR

Advisers: Mrs Holmes, Miss Gabel (*chairman*), Mr Salvadori, Mr Donald, Miss Bornholdt, Mr von Klemperer.

Based on 11, 12, 13, or an equivalent course. Students who have been exempted from the distribution requirement in Group D are expected to take six semester hours in the Department in their first two years if they wish to major in history.

Essential Courses: 40b and eighteen semester hours in history.

Optional Courses: nine semester hours in history or in appropriately related courses in other departments.

Major programs may be arranged to correlate work in history and related subjects in such broad fields as ancient civilization, medieval or Renaissance studies, modern Europe, or area studies (*e.g.* the Americas).

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

The attention of students who may be interested is called to the Interdepartmental Major in American Studies.

Honors

Director: Miss Wilson.

Prerequisites: two courses in history or one course in history and one in a field appropriately related to the Honors program.

Program: the fixed requirements for all candidates will consist of a minimum of twenty-four semester hours in history, plus six semester hours in history or in appropriately related courses in other departments. The required twenty-four semester hours in history will include at least six semester hours in the undergraduate seminars offered by the Department and, in senior year, 425b and a long paper.

Examinations: (1) a general comprehensive examination assuming some preparation in each of the fields—Europe before 1648, Europe since 1648, American history; (2) an examination on historical literature and method; (3) a special examination in one of the following fields: ancient, medieval, early modern, Europe since 1789, American. Students will construct their programs with this distribution and emphasis in mind.

HYGIENE & BACTERIOLOGY

PROFESSORS:	MARION FRANCES BOOTH, A.B., B.SC., M.D., College Physician, <i>Chairman</i>
ASSOCIATE PROFESSORS:	K. FRANCES SCOTT, PH.B., M.D. FRANCES CAMPBELL MCINNIS, A.M., M.D. ELINOR VAN DORN SMITH, PH.D., <i>Subchairman</i>
ASSISTANT PROFESSORS:	ELIZABETH DOROTHY ROBINTON, PH.D. LOUISE PADDON BUCKNER, B.S., M.D. MARTHA VENETIA DORAN, A.B., M.D.
TEACHING FELLOWS:	BERNICE H. STANISZEWSKI, B.S. PHYLLIS MORONEY, B.S.

HYGIENE

The requirement in hygiene may be met in one of four ways: (a) by passing an approved course in secondary school (students will be notified if their courses are approved); (b) by passing an examination given at the opening of college; (c) by completing 11a; (d) by completing 12a. The requirement must be completed by the end of the first year in college.

The exemption examination will cover the hygiene of all systems of the body and the prevention of communicable diseases.

11a *Hygiene Lectures*. Body mechanics, nutrition, vision and lighting, mental hygiene, the reproductive systems, and control of communicable diseases. One hour without credit. Students will be assigned to lecture hour. Dr Scott.

11b Repetition of 11a for students who failed or who have permission to postpone the requirement.

NOTE.—Students who take 11a or b must carry it in addition to the minimum of fifteen hours.

12a *Hygiene of the Individual*. A discussion of each body system and function, and the differing health requirements at various age levels and under varying living conditions. M T W 3. Dr Scott.

12b *Hygiene of Group Living*. Elementary study of community health problems, including a discussion of preventable diseases and environmental health hazards, together with modern methods and official agencies for their control. Optional field trips. M T W 3. Dr Scott.

21b *Modern Public Health Movements*. Survey of the developing concept of public health since the eighteenth century, with consideration of the functions of official and nonofficial agencies; detailed study of major modern problems of public health; discussion of recent proposals for the socialization of medical care. Two afternoon field trips will be required. M T W 2. Dr Scott.

53b *Health Education*. Special problems of personal and environmental hygiene applying to the physical activity, growth, and health of school children, and to school buildings and playgrounds. For graduate students in physical education, or by permission of the instructor. Dr Scott.

54a *Advanced Health Education*. Construction of teaching units in the fields of personal and community health. Practice teaching. Prerequisite, 53b. Dr Scott.

BACTERIOLOGY

22 *General Bacteriology*. A systematic study of representative groups of bacteria with emphasis on their relation to domestic, economic, and public health problems. Prerequisite, Chemistry 11. Two lectures and two two-hour laboratory periods. Lec. M T 10, Lab. M W 2. Miss Robinton.

- 27a *General Microbiology*. Outline of the biological relationships of microorganisms to higher forms of life and the interrelationships among microorganisms. Prerequisite, an introductory course in chemistry, zoology, or botany. Lectures and demonstrations. M T W 12. Miss Smith.
- 27b *Microorganisms of Importance to Man*. A study of microbial activities in relation to the life of the individual and the community. Prerequisite, 27a. Lectures and demonstrations. M T W 12. Miss Smith.
- 34 *Advanced Bacteriology and Serology*. Basic theories and applications of bacteriological and serological methods for the identification of pathogenic bacteria. Prerequisite, 22. One lecture and five hours of laboratory. Lec. Th 2; Lab. Th 3-5 F 2-5. Miss Smith.
- 40b *Microbiology and Serology in the Twentieth Century*. Readings and discussion. Miss Smith, Miss Robinton.
- 41, 41a, 41b Special studies in bacteriology and serology. By permission of the Department for Senior majors who have had twelve semester hours in bacteriology above Grade I. *Two or three hours*.
- 42b *Pathogenic Fungi and Antibiotics*. Systematic studies of the higher bacteria and fungi of medical importance. Prerequisites, 22 and first semester of 34 or Botany 34a. Two lectures and two two-hour laboratory periods. Miss Robinton.
- 43a *Seminar in Backgrounds of Bacteriology*. A survey of the discoveries and developments in scientific thinking which culminated in the science of bacteriology. Prerequisite, 22 or 27b. Miss Robinton.
- 44b *Journal Seminar*. A study of source materials including current periodicals in bacteriology and immunology. By permission of the instructors for students who have passed or are taking 34. *One hour*. Miss Smith, Miss Robinton.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Advanced Studies. *One hour or more*.
- 55a, 55b *Problems in Bacteriology and Serology*. *Two hours or more*. Miss Smith, Miss Robinton.
- 56b *Problems in Pathogenic Fungi and Antibiotics*. *Two hours or more*. Miss Robinton.

Adviser of graduate study: Miss Robinton.

Attention is called to the Interdepartmental Major in Bacteriology.

ITALIAN LANGUAGE & LITERATURE

PROFESSOR:	MICHELE FRANCESCO CANTARELLA, A.M.
ASSOCIATE PROFESSORS:	ANACLETA CANDIDA VEZZETTI, DOTTORE IN FILOSOFIA E PEDAGOGIA RUTH ELIZABETH YOUNG, A.M., <i>Chairman</i>
INSTRUCTOR:	MARIA TERESA ARRIGHI, DOTTORE IN LETTERE

The course in Italian which may be taken to fulfill the distribution requirement in Group A is 26.

Students planning to major in Italian who have entered with only two units of an inflected language will be required to take Latin 12a, Greek 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b.

11b or 12 is the prerequisite for 26, 36, 37, 38, and 39.

11 *Elementary Course*. Five class hours. M T W 11, Th F S 9, two hours to be arranged. Mr Cantarella, Miss Arrighi.

11b *Elementary Course* (covering the work of two years). *Six hours each semester*. M T W Th F S 9, 12; additional hours to be arranged for conversation in place of some preparation. Miss Young, Miss Arrighi.

12 *Intermediate Course*. Reading from modern Italian literature, with grammar and composition. Prerequisite, two units in Italian or 11. M T W 10. Miss Arrighi.

26 *Survey of Italian Literature*. Reading of outstanding works, with cultural and social background. Th F S 10. Miss Young. (L)

31a, 31b *Advanced Composition and Translation*. Mr Cantarella, Miss Young.

36 *Dante: Vita Nuova, Divina Commedia*. M T W 10. Mr Cantarella.

[37 *Major Literary Figures from Petrarch to Tasso*. Miss Young.]

38 *Literature of the Eighteenth and Nineteenth Centuries*. Miss Arrighi.

39 *Contemporary Literature*. Mr Cantarella.

40b *Directed Reading and Review*.

41, 41a, 41b *Special Studies*. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in Italian. *Two or three hours*.

50, 50a, 50b *Research and Thesis*. *Three or six hours*.

51, 51a, 51b *Advanced Studies*. *One hour or more*.

Adviser of graduate study: Mr Cantarella.

THE MAJOR

Adviser: Mr Cantarella.

Based on 11b or 12.

Essential Courses: 26, except for those who spend the Junior year in Italy, 36, 40b, and one other course of Grade III.

Optional Courses: closely related courses in allied fields such as history, literature, art, and music.

Honors

Director: Miss Young.

Prerequisite: 11b or 12.

Program: to be arranged with the director; three hours on an independent piece of work.

Examinations: one on the general field of literature; one on the field of specialization; one on linguistic preparation.

MATHEMATICS

PROFESSOR:

NEAL HENRY MCCOY, PH.D., *Chairman*

ASSOCIATE PROFESSOR:

RICHARD EDWARD JOHNSON, PH.D.

ASSISTANT PROFESSOR:

ANNE FRANCES O'NEILL, PH.D.

Students planning to take courses in mathematics are expected to offer at least three units of mathematics for entrance; those planning to major in mathematics are advised to take in the first two years Mathematics 12, 21 or 13, 22a. A course in astronomy or physics is also recommended. For additional preparation for Honors work, see the Honors program.

12 *Mathematical Analysis*. Trigonometry; analytic geometry; elements of calculus. Prerequisite, three units of mathematics not including trigonometry. M T W 10, Th F S 11. Mr Johnson, Miss O'Neill.

NOTE.—Credit will be given for the first semester, if it is followed in the same year by Astronomy 24b.

13 *Analytic Geometry, Differential Calculus*. Prerequisite, at least three units of mathematics including trigonometry. M T W 10, Th F S 11. Mr McCoy.

21 *Differential and Integral Calculus*. A continuation of 12. Prerequisite, 12. M T W 9. Mr Johnson.

22a *Differential and Integral Calculus*. Equivalent to the second semester of 21. Prerequisite, 13. M T W 9. Miss O'Neill.

24b *Intermediate Calculus*. Partial derivatives, multiple integrals with applications to physical problems, infinite series. Prerequisite, 21 or 22a. M T W 9. Miss O'Neill.

- [31a *Differential Equations*. Solution and application of ordinary differential equations. Prerequisite, 21 or 22a. M T W 10. Mr McCoy.]
- [32b *Foundations of Geometry*. An introduction to the axiomatic study of Euclidean and non-Euclidean geometry and to certain concepts in topology. Prerequisite, three semester hours of mathematics above Grade I or permission of the instructor. Th 2-4, F 2.]
- 33a 33b *Higher Algebra*. Topics from the theory of equations, and an introduction to modern abstract algebra. 33a for students who have passed or are taking 21 or 22a; prerequisite for 33b, 33a. M T W 10. Mr Johnson.
- 34a *Projective Geometry*. Prerequisite, 12 or 13. T F S 10. Mr McCoy.
- 35b *Theory of Numbers*. Properties of integers including divisibility, theory of congruences, primitive roots, theorems of Fermat and Wilson. Prerequisite, three semester hours of Grade III in mathematics or permission of the instructor. T F S 10. Mr McCoy.
- [36a *Infinite Series*. Prerequisite, 21 or 22a. M T W 9.]
- [38b *Solid Analytic Geometry*. For students who have passed 21 or 22a or are taking 21. M T W 10. Mr McCoy.]
- [39 *Probability and Statistics*. An introduction to the mathematical theory of probability and statistics, including discrete probabilities, correlation, expectation, variance, normal and other distributions. Prerequisite, 21 or 22a. M T W 3.]
- 40b Seminar.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in mathematics. *Two or three hours*.
- 43 *Advanced Calculus*. A study of functions of two or more variables. Prerequisite, 21 or 22a. M T W 11. Miss O'Neill.
- 48a, 48b Honors paper, review, and co-ordination. For Seniors.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 52a, 52b *Special Studies in Topology and Analysis*. *One hour or more*.
- 53a, 53b *Special Studies in Modern Geometry*. *One hour or more*.
- 54a, 54b *Special Studies in Algebra*. Theory of numbers, theory of groups, matrices and determinants, and modern algebraic theories. *One hour or more*.
- Adviser of graduate study: Mr Johnson.

THE MAJOR

Advisers: Mr Johnson, Miss O'Neill.

Based on 12 or 13.

Essential Courses: 21 or 22a, 40b, and other courses in mathematics, making a total of twenty-one semester hours, of which at least twelve must be above Grade II.

Optional Courses: other courses in mathematics.

Astronomy, courses above Grade I except 21a or b.

Physics, courses above Grade I.

Economics 38; Chemistry 40; Philosophy 21a or b, 31b.

Honors

Director: Miss O'Neill.

Prerequisites: 12 and 21 or 13 and 22a. A course in astronomy or physics is recommended, and a reading knowledge of German or French.

Program:

Essential Courses: 43, 48a, 48b.

Optional Courses: other courses in mathematics or courses in related fields chosen in consultation with the director.

Examinations: one will cover the common background of all majors, two will test the field of specialization.

MUSIC

PROFESSORS:

ARTHUR WARE LOCKE, A.M.

LELAND HALL, M.A.

JOHN WOODS DUKE

SOLON ROBINSON

DORIS SILBERT, A.M., *Chairman*

ALVIN DERALD ETLER, MUS.B.

ASSOCIATE PROFESSORS:

RAYMOND PUTMAN

WILLIAM BEAUMONT SCATCHARD, B.MUS., B.S.

BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO

MARION DE RONDE, A.B.

GERTRUDE PARKER SMITH, A.M.

LOUISE RODD, A.M.

ANNA HAMLIN

ASSISTANT PROFESSOR:

IDA DECK HAIGH

DIRECTOR OF CHORAL

MUSIC:

IVA DEE HIATT, M.A.

INSTRUCTORS:

JOHN KENNEDY HANKS, A.M.

ROBERT STANLEY SWAN, MUS.B.

TEACHING FELLOWS:

ADA LEE HARDESTER, A.B.

KATHRYN E. BURNETT, A.B.

CURATOR:

RUTH MARGARET AGNEW, M.A.

The courses in music which may be taken to fulfill the distribution requirement in group B are 13, 23. However, if a student is considering a major in the Department 13 is not advised.

Music 320, 321a, and 46, combined with practical music and certain courses in education, are necessary for teaching music in schools. Students should consult Mrs Scatchard or Miss Rees as early as possible in the college course.

A. Study of Composition

- 11 *Introduction to Composition.* Melodic, rhythmic, and harmonic materials. Three class hours. *Two hours each semester.* M T W 10, 12; W Th F 3; Th F S 10, 11. Miss Silbert (*Director*), Miss Smith, Mrs Haigh, Mr Swan.
- 21 *An Introduction to Counterpoint and Continued Study of Harmonic Materials.* Prerequisite, 11 or its equivalent. Not open to students who have taken or are taking 22. *Two hours each semester.* M 3; Sects., T 3, W 2. Miss Rood.
- 22 *Elementary Composition.* A basis for creative writing, with emphasis on counterpoint. Prerequisite, 11 or its equivalent. Not open to students who have taken or are taking 21. *Two hours each semester.* F 4-6. Mr Etler.
- 31a *Tonal Organization in Musical Form.* Introduction to forms based on thematic organization. Prerequisite, 21 or its equivalent. M T W 11. Miss Smith.
- [31b *Larger Tonal and Thematic Forms.* Prerequisite, 31a. M T W 11. Miss Smith.]
- 33 *Composition in Small Forms.* Prerequisite, 22 or its equivalent. Th 7-10. Mr Etler.
- 42 *Composition for Small Instrumental Groups.* Prerequisite, 33. Mr Etler.
- 53a *Precedents for Contemporary Procedures.* Mr Etler.

B. Study of Musical Literature

Unless otherwise stated the prerequisite for Grade III courses in this Division is 23.

- 13 *Listeners' Course.* Observation of the elements of music and of musical composition. No previous training in music is required. This course may not be taken as the theory requirement by students receiving credit for practical music. M T 4 and a third hour to be arranged for sections. Mr Hall.
- 23 *General History of Music.* Prerequisite, 13, 11, or the equivalent. W Th F 3. Miss Silbert.

MUSIC

[100]

- 35a *Symphonic Developments in the Nineteenth Century*. W Th F 3. Miss Rood.
- 35b *Verdi and Italian Opera*. W Th F 3. Mr Hall.
- 36a *Wagner*. Prerequisites, 11 and 23. M T W 10. Mr Locke.
- 36b *Modern Music*. Prerequisites, 11 and 23. M T W 10. Mr Locke.
- 38a *Haydn and Mozart*. Offered in alternate years. M T W 9. Miss Silbert.
- [310b *Beethoven*. Offered in alternate years. M T W 9. Mr Locke.]
- [311a *Chamber Music of Schubert, Schumann, and Brahms*. Offered in alternate years. Miss De Ronde.]
- 311b *Chamber Music of Beethoven*. Offered in alternate years. M T W 12. Miss De Ronde.
- 313a *Studies in Pianoforte Music*. Prerequisites, 23 and 222. M T W 12. Mr Hall.
- 318b *Music in America*. The rise of a popular and a serious musical culture in America. Prerequisite, 11 or 13. M T W 12. Members of the Department. Director, Miss Silbert.
- 43b *Secular Song before 1650*. Miss Smith.
- 44b *Studies in the Criticism of Music*. Various aspects as represented in important literary works. Two class hours. Miss Silbert.
- 54b *Studies in Eighteenth Century Opera Buffa*. Mr Hall.
- 55a *Bach*. Mr Locke.

C. Music Pedagogy

- 320 *Elementary School Music*. Music education from preschool through sixth grade. For students who have passed 11 and have passed or are taking 23. Students must pass a simple preliminary test in sight reading. *Two hours each semester*. M T 2. Mrs Scatchard.
- 321a, 321b *Choral Conducting*. Fundamentals of conducting; study of various styles of choral music suitable for school and amateur groups. Prerequisite for 321b, 321a. Two class hours. *One hour*. T 4-6. Mrs Scatchard.
- 46 *Advanced School Music*. Music in junior and senior high schools. T W 12 and one hour of observation and participation to be arranged. Mrs Scatchard.

- 40b Synoptic Course, to correlate the various approaches to the study of music: analytic, historical, critical. Required of Senior music majors. Th 4-6.
- 41, 41a, 41b Special studies in the theory and literature of music. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in music. *Two or three hours.*
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced studies arranged on consultation with the Department. *One hour or more.*

Adviser of graduate study: Mr Hall.

D. Practical Music

Undergraduate and graduate courses are offered in the following branches of practical music: piano, violin, viola, violoncello, organ, voice, oboe, clarinet, flute, bassoon, and instrumental ensemble. These courses may be elected by properly qualified students, and are given credit toward the degree of Bachelor of Arts and Master of Arts. There are fees for all courses in practical music except ensemble courses involving the cooperation of two or more students, and for the use of practice rooms, which are listed on page 144 of the *Catalogue*.

Courses in practical music, except those in instrumental ensemble, will require one lesson of one hour or two lessons of half an hour each. Courses of Grades I and II require six hours of practice per week and count for *two hours each semester*. Music 181, 282 if taken in connection with Music 33 or 42 require nine hours of practice and count for *three hours each semester*. The normal course above Grade II will require nine hours of practice and will count for *three hours*. Qualified students may divide the course combining two hours credit in one instrument with one hour in a related one or in ensemble. Graduate students and Seniors taking 343, 444, 545 may, with permission of the instructor, devote the third hour to a study of methods of teaching breath control, tone production, and diction. A two-hour course will be available to nonmajors. If additional instruction is received there will be an added charge. Courses in instrumental ensemble require one lesson of one hour and three hours of practice per week and count for *one hour each semester*.

Students taking practical music (Division D) to be counted for credit toward graduation must take at least an equal number of hours from Division A, B, or C (except 13), and the hours in practical music may not be counted unless this equivalent number of hours has been passed.

Any course in practical music and its accompanying course in Divisions A, B, or C may be counted together as one in the required number of three-hour courses, but each course will receive its full credit.

No student in practical music will be admitted to a course above Grade II who has received a mark lower than C in the previous course in the same branch.

Before registering for any course in practical music the student must show evidence of her ability in a test given by members of the Department at the College during the days just previous to the opening of the first semester and in May. These tests are based on the following requirements:

PIANO. The candidate will be expected to play three pieces representing different styles in piano literature, preferably selected from the following groups, but substitutes may be presented with the approval of the Department. (1) Bach: Little Preludes and Fugues, French Suites, Clavecin Book of Anna Magdalena Bach, Inventions. (2) Clementi: Sonatas or Sonatinas (one movement); one movement from sonatas of Haydn or Mozart, or of Beethoven, op. 2, 10, 14, or 49. (3) Mendelssohn: "Songs without Words"; Schumann: "Kinderscenen"; Chopin: Waltzes, Preludes, Nocturnes, Mazurkas; Schubert: Impromptus, Moments Musicaux; Grieg: "Lyric Pieces"; Field: Nocturnes; MacDowell: "Woodland Sketches," "Sea Pieces."

ORGAN. The examination for admission to organ courses is identical with that for entrance to piano courses as stated above.

VOICE. The candidate will be expected (1) to sing three songs, (2) to pass a simple test in sight reading. She will be judged on her pitch, rhythm, musical intelligence, and feeling.

VIOLIN, VIOLA, VIOLONCELLO, OBOE, CLARINET, FLUTE, BASSOON. Candidates are accepted at every stage of proficiency. Those applying for scholarships in these courses will be required to play a piece of their own choice.

Piano

Mr Locke, Mr Duke, Mr Robinson, Mr Putman, Miss del Vecchio, Mrs Haigh.

121 Major and minor scales; Hanon; studies of the grade of Czerny, op. 299; Bach, Two-Part Inventions, Little Preludes and Fugues; sonatas of the grade of the Mozart in G; shorter compositions.

222 Technical studies; Bach, Three-Part Inventions or French Suites; sonatas of the grade of Beethoven, op. 14, no. 1; shorter romantic compositions.

323 Technical studies; Bach, English Suites, Partitas, or Preludes and Fugues from the Well-Tempered Clavichord; sonatas of the grade of Beethoven, op. 26; pieces from romantic and modern schools.

424 Preparation of a program of not less than one-half hour, including one long work.

525 Advanced work for students who have passed 424.

Organ

Mr Swan.

232 Manual and pedal technique: Bach, eight short preludes and fugues, selected

Chorale-Preludes from Vol. V, Peter's ed.; short pieces involving fundamental principles of registration. Prerequisite, 121 or its equivalent.

- 333 Bach, Prelude and Fugue in C minor, Toccata and Fugue in D minor; Mendelssohn, second sonata; shorter pieces for use in church service. Accompanying of hymns, anthems, and chants.
- 434 Bach, Preludes and Fugues in E flat and D major; old masters of the organ; selected compositions of Widor, Franck, Reger. Complete church service playing.
- 535 Advanced study for students who have passed 434.

Voice

Miss Hamlin, Mr Hanks.

- 141 Exercises in breathing and tone placement. Vocal studies of Vaccai, Lütgen, or Concone. Italian songs of Pergolesi, Caccini, etc. Freshmen are strongly urged to take Italian in conjunction with this course.
- 242 Studies of Marchesi or Concone. Songs and arias of Mozart, Handel, Haydn, Bellini, Rossini, and old English airs.
A knowledge of German and French is advisable for students electing 343 and 444.
- 343 Studies of Marchesi and Panofka. Continued study of classic repertoire and beginning study of German lieder and songs of Fauré or Debussy.
- 444 Studies of Marchesi. Standard German and French repertoire, opera arias of Verdi, contemporary songs.
- 545 Advanced work for students who have passed 444.

Violin

Miss Rood.

- 151, 252, 353, 454, 555 Study of technique and representative literature.

Viola

Miss Rood.

- 161, 262, 363, 464, 565 Study of technique and representative literature.

Violoncello

Miss De Ronde.

- 171, 272, 373, 474, 575 Study of technique and representative literature.

Wind Instruments

Bassoon, Oboe, Clarinet, Flute

Mr Etler, *Director*, and staff.

181, 282, 383, 484, 585 Study of technique and representative literature.

Instrumental Ensemble

Members of the Department. *Director*, Miss De Ronde.

191a and b, 292a and b, 393a and b, 494a and b, 595a and b These courses are open to qualified students taking courses in any instrument in which instruction is offered. Individual work for a pianist with an instructor of string or wind instruments will entail a fee.

THE MAJOR

Advisers: Miss Silbert, Miss Rood.

Based on 11.

Essential Courses: 21 or 22, 23, 31a, 40b, and five semester hours above Grade II.

Optional Courses: related courses in other fields.

Honors

Director: Miss Rood.

Prerequisites: 11, 21 or 22, 23.

Program: students will fulfill the requirements of the major, present a paper or composition counting for three to six semester hours, and will take a minimum of nine semester hours in other departments. Apart from these requirements the program will be planned with the director to meet individual needs.

Examinations: one general comprehensive; one involving critical analysis on a limited field of concentration in literature or composition; one oral.

PHILOSOPHY

PROFESSORS:

MARY EVELYN CLARKE, PH.D.

EDGAR WIND, PH.D.

ALICE AMBROSE LAZEROWITZ, PH.D., *Chairman*

ASSOCIATE PROFESSORS:

MORRIS LAZEROWITZ, PH.D.

† DOROTHY WALSH, PH.D.

INSTRUCTORS:

MARIE CHRISTODOULOU, M.A.

GERALD E. MYERS, A.M.

The courses in philosophy which may be taken to fulfill the distribution requirement in Group C are 11, 22, 24, 33.

- 11 *Introduction to Philosophy*. Reading and discussion of some of the most important classic and modern philosophical works, to introduce the student to such topics as the relation of mind and body, sources of knowledge, freedom

and determinism, nature and status of ideals. M T W 9, 10; Th F S 11, 12. Mrs Lazerowitz, Miss Christodoulou, Mr Myers.

- 21a *Logic*. Introductory course, including study of common fallacies in reasoning, theory of the syllogism, and some modern developments. The course is intended to train the ordinary student in effective use of principles of correct thinking. Th F S 9. Mr Lazerowitz.
- 21b Repetition of 21a. Th F S 10. Mrs Lazerowitz.
- 22 *Ethics*. The outstanding moral theories of classical and modern times, with applications to practical problems. Reading will include literature of the Epicureans and Stoics, Aristotle, Kant, Bentham, Mill, Nietzsche, G. E. Moore. Th F S 11. Miss Clarke.
- 24 *History of Philosophy from Thales to Kant*. Introduction to philosophy, with emphasis on its historical development. The course should be of use also to students majoring in other fields who wish to obtain an acquaintance with the history of ideas. W Th F 2, 3; Th F S 10, 11, 12. Miss Clarke, Mr Lazerowitz, Miss Christodoulou, Mr Myers.
- 31b *Advanced Logic*. Postulate sets. The system of *Principia Mathematica*: general propositions; definite descriptions; classes and the theory of types. Prerequisite, 21a or b. Mrs Lazerowitz.
- [32a *Metaphysics and Science*. Development of a new technique for the solution of philosophical problems. Its application to a selection of metaphysical theories which closely resemble scientific theories: theories of time, space, substance, causality and freedom, universals, a priori propositions. Prerequisite, six semester hours in philosophy. T 4-6 Th 5. Mr Lazerowitz.]
- 32b *Epistemology*. General explanation of a new technique for the solution of philosophical problems. Its application to epistemological and closely related problems: our knowledge of the external world, other minds, the mind-body problem, rationalism and empiricism. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.
- 33 *Aesthetics*. A discussion of general problems, with reference to sensuous structure, emotional expression, symbolism, artistic meaning, truth and value, judgments of appraisal. Th F S 10. Mr Myers.
- 36a *Plato*. A systematic and historical study of the chief dialogues. Prerequisites, 11 or 24 and at least three more semester hours in philosophy. M 4-6, T 4. Mr Wind.
- 36b *The Platonic Tradition*. A study of Neoplatonism, beginning with Plotinus and Proclus, leading to Marsilio Ficino and Pico della Mirandola, and ending with the Cambridge Platonists. Prerequisite, 36a (35b). M 4-6, T 4. Mr Wind.

- [37b *Hegel and Hegelianism*. A historical and critical study of Hegel, the man and his doctrine, his rivals, followers, and opponents. Prerequisite, 24. M 4-6 T 4. Mr Wind.]
- 38a *Oriental Philosophy*. Philosophical bases of Hinduism, Buddhism, and the metaphysical systems into which they developed. Prerequisite, six semester hours in philosophy. W Th F 3. Miss Clarke.
- 310a *American Philosophy*. Philosophical ideas of Edwards, Emerson, Royce, James, Dewey, and others, with attention to the connection of these ideas with current religious, political, and moral views. Th F S 10. Miss Christodoulou.
- 311 *Recent and Contemporary Philosophy*. William James; Bergson; Whitehead; Bertrand Russell; G. E. Moore; Santayana. Prerequisites, 24 and at least three more semester hours in philosophy. W Th F 2. Mrs Lazerowitz (first semester), Miss Clarke (second semester).
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in philosophy. *Two or three hours*.
- 45b *Kant*. A Study of the *Critique of Pure Reason* and readings from the *Critique of Practical Reason*, with consideration of their influence on later philosophy. For qualified students by permission of the instructor. Two class hours. Mr Wind.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged individually.
- [53 *A Systematic Study of Aesthetic Theory*. Miss Walsh.]
- [55a *Topics in Logical Theory*. With special reference to foundations of mathematics. Mrs Lazerowitz.]
- [56b *Contemporary Ethics*. Miss Clarke.]
- Adviser of graduate study: Mrs Lazerowitz.

THE MAJOR

Advisers: Miss Clarke, Miss Christodoulou.

Based on six semester hours in philosophy.

Essential Courses: twenty-one semester hours in philosophy, including 24 (unless used as the basis of the major) and 40b.

Optional Courses: related courses in other departments.

Honors

Director: Miss Clarke.

Prerequisites: any year course in philosophy of Grade I or Grade II; in addition 21a or b and Psychology 11 or 12 are advised. For other prerequisites for specific programs the director should be consulted.

Program: three hours on the preparation of a paper and three on review; the remaining hours divided between work in philosophy and in some related department, with the major portion of the work in philosophy including normally at least two units.

Examinations: one on philosophical systems and history of philosophy; one on value theories and methodology; one on work done in related departments.

Units

[Aesthetics. *Six hours. First semester.* Miss Walsh.]

[Seventeenth and Eighteenth Century British Philosophy. *Three hours. Second semester.* Miss Clarke.]

Logic. *Three hours. Second semester.* Mrs Lazerowitz.

[Ethics. *Six hours. Second semester.* Miss Clarke.]

These units will ordinarily be offered in alternate years.

PHYSICS

PROFESSORS:	GLADYS AMELIA ANSLOW, PH.D., SC.D. (hon.) NORA MAY MOHLER, PH.D., SC.D. (hon.)
ASSOCIATE PROFESSOR:	WILLIAM TAUSSIG SCOTT, PH.D.
ASSISTANT PROFESSOR:	LILLY LORENTZ, PH.D.
LECTURER:	DOROTHY WRINCH, D.SC.
TEACHING FELLOW:	SHIRLEY SANBORN, A.B.
RESEARCH FELLOWS:	FRANCES BERTING, A.B. RIKA SARFATY, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Physical Science 193 or 194, Physics 11, 12, or 25b with either 15a or 24a.

Students who enter with a unit of physics may elect either course in Physical Science, Physics 12 or 15a.

Students planning to major in physics should offer three units in mathematics for entrance and if possible take mathematics through calculus before the Junior year. Work in chemistry is also strongly advised.

11 *Fundamentals of Physics.* An introduction to the laws and properties of matter, sound, light, heat, and electricity. Lecture and discussion, three hours; laboratory, two hours. Lec. and Dis. M T W 11, 12; Lab. M Th F 2, F 9, 11. Miss Anslow, Miss Mohler, Miss Lorentz, Miss Sanborn.

- 12 *Fundamentals of Physics for Premedical Students.* The lectures are the same as in 11; in the laboratory sections applications of the subject to biological and medical problems are stressed. Lecture and discussion, three hours; laboratory, two periods of two hours each. *Four hours each semester.* Lec. and Dis. M T W 11, 12; Lab. T W 2. Miss Anslow, Miss Mohler, Miss Lorentz, Miss Sanborn.
- 15a *Mechanics, Electricity and Light.* An intermediate course for students who have presented a unit of physics for entrance or who have passed Physical Science 193; open by permission of the instructor to students who enter with a unit in physical science. Lecture and discussion, three hours; laboratory, two hours. Lec. Th F S 11, Lab. T 2. Miss Lorentz.
- 24a *Electricity.* Direct current, electrical circuits and instruments, with an introduction to alternating current devices and to electronics. Prerequisite, Physics 11, 12, or 15a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Scott.
- 25b *Wave-Motion, Sound, and Heat.* Lectures and problems on the basic principles of elasticity, wave-motion, sound, thermometry and heat. The laboratory emphasizes precision of measurements and a variety of laboratory techniques. Prerequisite, 11, 12, 15a, or 24a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Scott.
- 26b *Musical Acoustics.* An introduction to the study of sound, particularly as it applies to musical instruments and hearing. Lecture and demonstration. *One hour.* M T 10. Miss Lorentz.
- 31a, 31b *Electronics and Atomic Physics Laboratory.* A semester of experiments in electronics leading to some independent work; one hour of lecture. Prerequisites 24a and Mathematics 12 or 13. This may be followed by a semester of experiments in modern physics and some related fields. Two three-hour laboratory periods. Th F 2. Miss Lorentz.
- 32a or b *Mechanics.* Statics and dynamics of particles and rigid bodies. Prerequisites, six hours of physics or, by permission of the instructor, 15a, and Mathematics 21 or 22a. Lectures and problems. Miss Lorentz.
- 33a *Atomic Physics.* The structure of the atom and the nature of radiation. Prerequisites, 11, 12, or 15a and 25b; Mathematics 21 or 22a (may be taken at the same time). Th F S 9. Miss Mohler.
- 33b *The Nucleus.* An introduction to radioactivity, elementary particles, cosmic rays, and nuclear energy. Prerequisite, 33a. Th F S 9. Miss Anslow.
- 36a *Light.* Wave and particle nature, optics, interference, diffraction, polarization. Prerequisite, 11, 12, 15a, or 24a, and Mathematics 12 or 13. Lec. M T 10; Lab. T 2. Miss Anslow.

- 36b *Experimental Spectroscopy*. Spectroscopic methods and instruments. Study of atomic and molecular spectra. Prerequisite, 23a or 36a; also open by permission of the instructor to students majoring in astronomy or chemistry. Offered in alternate years. Lectures, two hours; laboratory, three hours. Lec. M T 10; Lab. T 2. Miss Anslow.
- 40b *The Relation of Classical and Modern Physics*. Discussion of the development of such general laws as the conservation of energy and the law of gravitation; the relation between Newtonian mechanics and relativity; the wave properties of particles and the particle properties of waves; present attitudes toward theories and models. Discussion and reports. For Seniors only. One two-hour period. Miss Mohler with members of the Department.
- 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in physics. *Two or three hours*.
- 42 *Advanced Electricity and Magnetism*. Static and dynamic electricity, direct and alternating currents, magnetism and electromagnetic fields, and electronic circuits. Lectures and problems. Prerequisites, 24a and Mathematics 21 or 22a. Mr Scott.
- 46b *Thermodynamics*. A discussion of the laws of thermodynamics, entropy, and the behavior of ideal and real gases. Prerequisites, six hours of physics and Mathematics 21 or 22a. Miss Lorentz.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Special topics in such fields as sound, light, electricity and magnetism, thermodynamics, and kinetic theory. *Two hours or more*.
- 52a, 52b Selected problems assigned for investigation, experimental work, and discussion. *Three hours or more*.
- 53a *Principles of Mathematical Physics*. Miss Lorentz.
- 54a or b *Introduction to Quantum Mechanics*. Mr Scott.
- 55a or b *Seminar in Nuclear Physics*. *Two hours or more*. Miss Mohler.
- 58a or b *Theoretical Spectroscopy*. The origin of atomic and molecular spectra and their applications to structure problems. Miss Anslow.
- 59a or b *Structure of Large Molecules*. Physics, chemistry, and geometry of biologically active molecules. *One hour or more*. Miss Wrinch.
- Adviser of graduate study: Miss Anslow.

THE MAJOR

Advisers: Miss Mohler, Miss Lorentz.

PHYSICS

[110]

Based on 11, 12, 15a and 25b, or six hours of Grade II, or, by permission of the Department, on Physical Science 193.

Essential Courses: 40b, at least one semester of 31a, 31b; Mathematics 21 or 22a.

Optional Courses: other courses in physics and mathematics above Grade I and courses in astronomy, chemistry, and geology.

In addition to the essential courses, each student is expected to receive instruction in shop techniques in a two-hour period for one semester.

Honors

Director: Mr Scott.

Prerequisites: one year of college physics, Mathematics 12 or 13, *and* six hours of Grade II in physics or Mathematics 21 or 22a. One or two other courses in mathematics, physics, or chemistry, and a reading knowledge of French and German are advised.

Program:

Essential Courses: 33a and b and the Honors paper. Mathematics 21 or 22a if not already taken.

Optional Courses: other physics courses above Grade II; advanced courses in other sciences chosen in consultation with the director; a review unit.

Examinations: written examinations covering theoretical and experimental phases of the subject in classical physics, modern physics, and in the field of specialization.

PHYSICAL EDUCATION

PROFESSOR:	DOROTHY SEARS AINSWORTH, PH.D., <i>Director</i>
ASSOCIATE PROFESSORS:	GERTRUDE GOSS FLORENCE MARIE RYDER, M.S. HELEN LOUISE RUSSELL, PH.D., <i>Assistant Director</i>
ASSISTANT PROFESSORS:	EVELYN F. JENNINGS, B.S. LILLIAN M. MANCINI, A.M. ETTIE LEN TOY CHIN, A.M. RITA MAY BENSON, M.S. IN H.P.E.
LECTURER:	RUTH EVANS, A.M., M.P.E. (hon.), S.C.D. (hon.)
INSTRUCTORS:	RUTH BUCHANAN EDDY, M.S. IN PHY.ED. MARTHA COLEMAN MYERS, M.S. IN PHY. ED. CARYL MIRIAM NEWHOF, B.S. IN PHY. ED. MARJORIE HARRIS, B.S. MARGARET HORNING, B.P.H.E. RUTH SPEAR, M.S. IN PHY.ED. MARGERIE MACK, M.S.

Physical Education 1a and b and 2a and b are required of all students in the first two years, the type of work being adjusted to the needs and conditions of individual

students. Continuous failure in these courses due to lack of interest or to unexcused absences may result in the student's being requested by the President to withdraw from college.

All students who are in physical education classes or use the gymnasium are required to buy uniform suits and shoes.

The Athletic Association, open to all members of the College, is under the direction of this Department.

A. Physical Education

Requirements

1a, 1b *Body Mechanics, Dance, and Sports.*¹ Three periods of one hour each. Required for Freshmen.

¹ A fee is charged for golf, riding, campcraft, and winter sports.

Fall Term. One period, body mechanics; two periods, swimming for those who have not passed the test, for others a choice of the following:

Archery, canoeing, crew, golf, hockey, riding, soccer, swimming, tennis, volleyball.

Individual Gymnastics. Miss Ryder, Miss Eddy.

The Dance, modern and folk. Mrs Myers, Miss Horning.

Winter Term. One period, fundamental movement; two periods, a choice of: Badminton, basketball, bowling, children's games, fencing, riding, squash, swimming.

Individual Gymnastics. Miss Ryder, Miss Jennings, Miss Eddy.

The Dance, continuing the fall course and new sections. Mrs Myers, Miss Horning.

Spring Term. One period, rhythmic work or body mechanics; two periods, beginning swimming for those who have not passed the test, for others a choice of:

Archery, campcraft, canoeing, children's rhythms, crew, golf, lacrosse, riding, softball, swimming, tennis, volleyball.

Individual Gymnastics. Miss Ryder, Miss Eddy.

The Dance, continuing the fall and winter courses and new sections. Mrs Myers, Miss Horning.

2a, 2b *Dance and Sports.* Three periods of one hour each. Required for Sophomores.

Each term a choice of sports and dance as listed under the corresponding term for 1a and b.

A health consultation is required for Juniors and Seniors, and any student who is falling below a standard which for her is reasonable must take work under the direction of the Department as follows:

3a, 3b Required for these Juniors.

4a, 4b Required for these Seniors.

Elective Classes and Sports

Juniors and Seniors may elect work in any class listed above or in the upperclass sports sections.

In addition there are week-end trips to the cabins under the auspices of the Outing Club, riding trips under the Riding Club, and open-hour swimming at the pool.

Courts and other equipment are available to all students when not being used by classes.

B. Course in the Training of Teachers of Physical Education

This course is open to students of Smith College and to graduates of other colleges of approved standing. Students entering it will be given the opportunity to specialize in one of four fields: corrective physical education, the dance, recreation (physical education in relation to community service and clubs), sports (in relation to schools and colleges).

The course has as its basic plan classes in science and education as well as physical education. Smith College students may take the majority of the scientific and educational courses as undergraduates and in so doing will be able to fulfill the requirements for the degree in one year after graduation.

Properly qualified students from Smith and other colleges will be accepted for work toward the degree of Master of Science in Physical Education (M.S. in Phy. Ed.). Six semester hours of zoology, six hours of education, and six hours in one of the following: bacteriology, chemistry, experimental psychology, mathematics, nutrition, physics, zoology should be offered as prerequisites. Students who have satisfactorily completed the courses equivalent to those leading to the diploma may become candidates for the degree in the first year; other students normally require two years.

It is also possible for students to take work leading to the degree of Master of Arts (A.M.) or of Master of Education (Ed.M.).

Students who wish to enter the course should present a written statement from a physician that they are in good condition and able to undertake a course in physical education. For further information write to Miss Ainsworth, Scott Gymnasium, for the special booklet describing the course.

33a, 33b *Corrective Physical Education.* The basic teaching material of preventive and corrective phases of physical education as applied to individual developmental needs. M T W 12. Miss Ryder.

42a, 42b *Methods and Materials of Physical Education.* Elementary course including the dance, recreation, and sports. Required in the first year of students entering from other colleges who have not fulfilled the requirement elsewhere. Open to undergraduates only by permission of the Director of Physical Education. Prerequisite for 42b, 42a. Two lectures, six hours of practice. Members of the Department.

- 43a, 43b *The Physiology and Anatomy of Movement*. An analytical study of human motor activity. Prerequisites, Zoology 12 and permission of the Director of Physical Education. Two lectures and four hours of laboratory. Lec. Th F 11; Lab. Th F 9-11. Miss Ryder.
- 50a, 50b Research and Thesis. *Three or six hours*. Director, Miss Russell.
- 51a, 51b. Special Studies. Members of the Department.
- 52 *Methods and Materials of Physical Education*. Advanced course offering opportunity for the student to specialize in corrective gymnastics, the dance, recreation, or sports. Theory, two hours; practice, six hours. Members of the Department.
- 53a, 53b *Gymnastics and Fundamental Movement*. Theory, one hour; practice, two hours. *One hour*. Miss Ainsworth, Miss Ryder, Miss Mancini.
- 54a or b *Elementary Measurement in Physical Education*. Miss Russell.
- 55a *History and Principles of Physical Education*. Miss Ainsworth.
- 55b *Organization and Administration of Physical Education*. Miss Ainsworth.
- 56a, 56b *Directed Practice in the Teaching of Physical Education*. One lecture; two practice periods. Miss Mancini.
- 57a or b *Advanced Measurement in Physical Education*. History and methods of testing. Use of statistics and study of special problems. Miss Russell.
- Hygiene 53b *Health Education*. Required of all students for the diploma.
- Hygiene 54a *Advanced Health Education*.

PSYCHOLOGY

PROFESSORS:	WILLIAM SENTMAN TAYLOR, PH.D., <i>Chairman</i> HAROLD EDWARD ISRAEL, PH.D.
ASSOCIATE PROFESSOR:	ELSA MARGAREETA SIIPOLA, PH.D.
ASSISTANT PROFESSORS:	IRVING EDWARD SIGEL, A.M. LOIS JEAN CARL, PH.D.
VISITING LECTURER:	CLARENCE V. HUDGINS, PH.D.
INSTRUCTORS:	MIRIAM WALDRON BRAINARD, A.M. PRISCILLA ELIZABETH DATTMAN, A.M. VIVIAN DECKER TAYLOR, B.A.
TEACHING FELLOW:	SHEILA HAFTER, A.B.

If a student is considering a major in the Department 11 is advised.

Students who plan to enter social work should consult their major advisers regarding desirable courses.

- 11 *General Psychology*. Systematic treatment of the characteristics of human nature. Application of fundamental principles to problems in motivation, learning, perception, thinking, and personality. Laboratory work is designed to provide experimental verification and illustration of facts and theories. Not open to students who have taken or are taking an introductory course in psychology. Two lectures, one recitation, and one two-hour laboratory period. Lec. M T 12. Rec. W 12, 2; Th 10, 11; F 10, 11. Lab. W 11, 2; Th 9, 11, 2; F 9. Mr Israel, Miss Siipola, Mrs Brainard, Miss Dattman, Miss Taylor.
- 12 *General Psychology*. Outline of the field and methods of psychology; basic facts and theories, including such topics as motivation, learning, perception, thinking, and personality. Not open to students who have taken or are taking an introductory course in psychology. M T W 9, 12; Th F S 9. Mr Taylor, Mr Sigel, Miss Carl.
- 21 *Introductory Experimental Psychology*. For students who have had an introductory nonlaboratory course in psychology and plan to major in this field. Two hours of laboratory. Two hours (M T 12) of lecturing may be required of Advanced Standing students. *One hour each semester*. T 2-4. Miss Siipola.
- 24a *Child Psychology*. Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Prerequisite, 11 or 12. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 24b *Psychology of Adolescence*. Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Prerequisite, 11, 12, or permission of the instructor. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 25a *Introduction to Social Psychology*. Psychological concepts basic to an understanding of man in his social environment, including such topics as socialization, social attitudes, and group behavior. Prerequisite, 11 or 12. Th F S 10. Mr Sigel.
- [25b *The Social Patterning of Behavior*. A developmental approach to the problems of social psychology. Prerequisite, 25a or permission of the instructor. Th F S 10.]
- 31a *Survey of Experimental Psychology*. Basic experimental evidence and chief techniques of normal human adult psychology. Lectures, demonstrations, and classroom experiments. Prerequisite, 11 or 21. Mr Hudgins.
- [31b *Projects in Experimental Psychology*. Investigation of selected experimental problems. Discussion, conferences, and supervised research. Prerequisite, 31a or permission of the instructor. About six hours of laboratory. Mr Hudgins.]

- 32a *History of Psychology*. Origin and development of the principal problems of psychology, with emphasis upon the influences of various schools of psychologists. Prerequisite, six semester hours in psychology. M T W 10. Mr Israel.
- 37b *Psychology of Personality*. Study of the psychological organization of the adult personality, with emphasis upon individuality rather than generalized human nature. Basic concepts and theories; experimental and clinical techniques of investigation; development of adult personality-structure. Prerequisite, 11 or 12. Open also to Sophomores by permission of the instructor. W Th F 2. Miss Siipola.
- 38a *Individual Differences and their Measurement*. Nature of individual differences; theory and principles of their measurement in such areas as mental ability, aptitudes, and other traits. Prerequisite, 11 or 12. M T W 9. Mr Sigel.
- 38b *Mental Tests in Clinical Practice*. Supervised practice in administering, scoring, and interpreting standard clinical tests. A minimum of fifteen hours of practice outside the laboratory. For students who have passed 38a and have passed or are taking 37b or 46. M 9 T or W 9-11. Mr Sigel.
- 39b *Industrial Psychology*. Psychology of employers, employees, and consumers in regard to production, distribution, and consumption. An optional visit to a near-by factory. Prerequisites, 11 or 12 and permission of the instructor. M T W 12. Mr Taylor.
- 40b Synoptic Course. Th 7:30-9:30. Mr Israel with members of the Department.
- 41a, 41b Special Studies. Problems not specifically dealt with by other courses in psychology, such as research problems in experimental psychology, advanced psychology of language, special problems in child psychology, and mental tests. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in psychology. *Two or three hours*.
- [42b (32b) *Systematic Psychology* (seminar). Critical examination of the subject matter and concepts of psychology as treated in current systems. Prerequisite, 32a. Mr Israel.]
- [43b *Comparative Psychology* (seminar). Evolution of behavior, with emphasis on discrimination, motivation, and modifiability. Reports on special problems such as infrahuman social behavior, the experimental neurosis, inheritance of behavior traits.]
- 44b *Child Psychology* (seminar). Selected problems, reports, and discussion. Prerequisite, 24a. Miss Carl.

- 45b *Social Psychology* (seminar). Methods, theories, and problems. Reports and discussion. Prerequisite, 25a or permission of the instructor. Mr Sigel.
- 46 *Dynamic and Abnormal Psychology*. General psychology of conscious and subconscious motivation, everyday problems and mechanisms of adjustment, psychoneuroses, psychoses, and mental hygiene. Two optional visits to nearby hospitals. For students who have passed 11 or 12, and are majoring in psychology, education, sociology, or premedical science, or by permission of the instructor. M T W 3. Mr Taylor.
- 47a *Psychology of Personality* (seminar). Intensive study of projective techniques of investigating personality. Supervised practice with standard techniques. Th 11-1. Miss Siipola.

Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Advanced Studies. Similar to 41a and b. *One hour or more.*
- 52a, 52b *Seminar in Current Psychological Problems*. Also for Senior Honors students by permission. *One hour or more.*
- 56 *Abnormal Psychology*. Students will be required to attend the lectures in 46. Not open to students who have taken 46. Mr Taylor.
- Speech 58a *Experimental Phonetics*.
- Adviser of graduate study: Mr Israel.

THE MAJOR

- Advisers: members of the Department.
- Based on 11 or 12. If the major is based on 12, 21 must be taken in Sophomore year, or in Junior year in addition to the major.
- Essential Courses: twenty-one semester hours in psychology, including 40b and six hours from 24a, 31a, 31b, 32a, 42b, 43b.
- Optional Courses: other courses in psychology and courses in related subjects.

Honors

- Director: Miss Siipola.
- Prerequisites: 11 or 12 and 21. Courses in zoology, physics, and German are useful as background.
- Program: nine hours from 31a, 31b, 32a, 42b, twelve in other psychology courses, and six devoted to a long paper and review; nine additional hours in psychology or related subjects.
- Examinations: one on general experimental and theoretical psychology; one on other fields of psychology; one a more specialized type.

RELIGION & BIBLICAL LITERATURE

PROFESSOR:	S. RALPH HARLOW, PH.D.
ASSOCIATE PROFESSORS:	MARGARET BRACKENBURY CROOK, B.A., DIPLOMA IN ANTHROPOLOGY (OXON.) VIRGINIA CORWIN, B.D., PH.D., <i>Chairman</i> WILLIAM ARMISTEAD CHRISTIAN, PH.D.
ASSISTANT PROFESSOR:	WILLIAM GRAHAM COLE, A.B., B.D., <i>Chaplain</i>

The courses in religion which may be taken to fulfill the distribution requirement in Group A are 11, 39; in Group C, 14, 31a and b, 35a and b.

- 11 *Introduction to the Bible.* The literature of the Bible as expressing the religion of the Hebrew prophets, lawgivers, historians, and poets, and the early Christians. Th F S 9. Miss Crook, Miss Corwin.
- 14 *Introduction to the Study of Religion.* Teachings of contemporary Judaism, Roman Catholicism, and Protestantism. Problems presented by scientific thought, nationalism, and industrialized society. Survey of certain important religious ideas. For Freshmen and Sophomores only. Lec. Th 10. Rec. (for Freshmen) Th F 3, F S 10; (for Sophomores) Th F 2, F S 10. Miss Corwin, Mr Christian.
- 25b *Greek New Testament.* Prerequisite, Greek 11, 11b, or the equivalent. Miss Crook.
- [26a *The Literary History of the Bible.* The earliest scriptural collections through the history of the great translations. Prerequisite, one year of Bible studies in college. M T 4 and one hour to be arranged. Miss Crook.]
- 27a *Social Teachings in the Bible.* Special reference to the Major Prophets and Jesus. Recommended for students who intend to take 37. M T W 11. Mr Harlow.
- 27b *Life and Teachings of Paul.* Prerequisite, 11 or 27a. M T W 11. Mr Harlow.
- 28b *Contemporary Judaism.* Its religious and social background, and its contribution to Christianity and democracy. M T W 3. Mr Harlow.
- 29 *Hebrew.* Elementary course with readings from narratives of the Old Testament. M T W 10. Miss Crook.
- 31a *History of Christian Thought through the Middle Ages.* The early church fathers, Augustine, and medieval scholasticism. M T W 10. Mr Cole.
- 31b *History of Christian Thought since the Middle Ages.* Classical Protestant thought. Influence of science, philosophy, and historical study: criticism and reconstruction. Developments in Catholic thought. M T W 10. Mr Cole.

- 32b *Religion in America*. Religious thought, institutions, and movements as they have developed in American life. M T W 9. Mr Christian.
- 34 *Contemporary Religious Thought*. A critical study of some important problems and movements. M T W 11. Mr Christian.
- 35a *History of Religions*. Hinduism, Buddhism, Confucianism, and Shinto: their thought, institutions, and religious literature. Th F S 11. Miss Corwin.
- 35b *History of Religions*. Judaism, Christianity, and Islam: great men, characteristic teachings and institutions, relations to each other and to Western culture. Th F S 11. Miss Corwin.
- 36a *Problems of the Individual in the Bible*. His rewards and sufferings, his search for mediation between God and man, based on such books as Jeremiah, Job, the Fourth Gospel, Ephesians. M T W 9. Miss Crook.
- 37 *American Social Problems*. Modern international and race relationships. An examination of these problems and their significance for the world tomorrow. The contribution of religion to their solution. T 4 and T W 9 or 12. Mr Harlow.
- 39 *The Prophets and Jesus*. The prophets and other closely related writers of the Old Testament. Jesus, his teachings; ways in which Paul and other New Testament writers interpret him. Prerequisite, a course in Bible. Th F S 10. Miss Crook.
- 40b *Religion, Its Nature and Functions*. Readings and discussions.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in religion. *Two or three hours*.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Advanced Studies. *One hour or more*.
- Adviser of graduate study: Miss Crook.

THE MAJOR

Advisers: Miss Crook, Miss Corwin.

Based on 11 or 14.

Essential Courses: twenty-one semester hours in religion, including 40b, six hours in Biblical studies (three for those who have taken 11), and six hours in history of religion or religious thought.

Optional Courses: other courses in religion and in related departments.

Honors

Director: Miss Crook.

Prerequisite: 11 or 14.

Program: in Junior year six semester hours in courses or units in Biblical studies and six in history of religion or religious thought; in Senior year one unit for the preparation of the paper and one for review. The greater portion of the work will be in units and courses in the Department, with work in related fields approved by the director.

Units will be conducted by means of regular conferences and special reading, and will usually be planned in conjunction with existing courses.

Examinations: one in a selected field of concentration; one in the general field of the major; one oral.

Units

Studies in the Old Testament. Miss Crook.

Studies in the New Testament. Miss Crook.

History of Christian Thought.

Judaism. Mr Harlow.

The Function of Religion in the Development of Society. Mr Harlow.

History of Religion. Miss Corwin.

RUSSIAN LANGUAGE & LITERATURE

PROFESSOR: HELEN MUCHNIC, PH.D., *Chairman*

ASSISTANT PROFESSOR: CATHERINE A. PASTUHOVA, PH.D.

VISITING LECTURER: NICOLAI S. VOROBIOV, PH.D.

The courses in Russian which may be taken to fulfill the distribution requirement in Group A are 23, 26a and b, 35a and b.

11 *Elementary Course.* Five class hours. *Three hours each semester.* M T W 10. Mrs Pastuhova and Mr Vorobiov.

21 *Selections from Russian Prose and Poetry.* Prerequisite, 11 or the equivalent. *Three hours or more each semester.* T W Th 3. Mrs Pastuhova and Mr. Vorobiov.

23 *Literature of the Nineteenth Century.* Development of Russian realism. Study of some typical works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy, with discussion of important trends in social and aesthetic ideas which they represent. Conducted in Russian. Prerequisite, 21 or the equivalent. M T W 12. Mr Vorobiov. (L)

- 31 *Advanced Course*. Reading from classical and Soviet literature, with emphasis on roots and structure of the language, based on the history of Russian civilization. Prerequisite, 21 or permission of the instructor. Mrs Pastuhova and Mr Vorobiov. (L)

LITERATURE IN TRANSLATION

- 26a, 26b *History of Russian Literature*. First semester, from the beginnings to the nineteenth century; second semester, the nineteenth century. In 1951-52 the subject will be considered in relation to the other arts in Russia. M T W 11. Mr Vorobiov.
- 35a *Pushkin and Gogol*. M T W 11. Miss Muchnic.
- 35b *Tolstoy and Dostoevsky*. M T W 11.
- 42b *Russian Literature since the Revolution*.
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in Russian. *Two or three hours*.

THE MAJORS

Advisers: members of the Department.

A. Russian Major

Based on 21.

Essential Courses: 23, 26a, 26b, 35a, 35b, 40b, History 317a.

Optional Courses: 31, 42b, Economics 319, other courses in related fields.

B. Major in Russian Civilization

Based on 11 and History 11.

Essential Courses: 21, 26a, 26b, 35b, 40b, Economics 319, History 317a.

Optional Courses: 42b, further work in Russian language, courses in related fields.

Honors

Directors: Miss Muchnic, Mr Vorobiov.

Prerequisites: 21, 26a, 26b.

Program: 23, 35a, 35b, 42b, History 317a; at least twelve hours in units and seminars in the Department or in other departments within the field of correlation; a long paper in first semester of Senior year to count for three hours.

Examinations: (1) on the whole field of Russian literature; (2) on Russian history; (3) on the field of correlation; (4) on language with translation from Russian into English, from English into Russian, and a brief composition in Russian.

For students who choose Honors in Russian Civilization an appropriate course in government or economics will be substituted for Russian 23 and the examination in language will be omitted.

SOCIOLOGY

PROFESSORS:	GLADYS EUGENIA BRYSON, PH.D., <i>Chairman</i> CHARLES HUNT PAGE, PH.D. NEAL BREAULE DE NOOD, PH.D.
ASSOCIATE PROFESSOR:	MARGARET ALEXANDER MARSH, A.M.
ASSISTANT PROFESSOR:	BERNARD BARBER, PH.D.
LECTURER:	FLORENCE ROBERTS DAY, M.SC. (SOC. ADMIN.), Director of the Smith College School for Social Work

The courses in sociology which may be taken to fulfill the distribution requirement in Group E are Sociology 26, 34a and b, Social Science 192.

Students planning to major or to do Honors work in sociology are advised to select from the following: Psychology 11, 12, 25a; Economics 21; Government 11, 21; History 11, 13, 29a; Philosophy 11, 22, 24.

Students who plan to enter the field of social work should consult their major advisers regarding desirable courses.

Unless otherwise indicated the prerequisite for Grade III courses is 26 or Social Science 192.

26 *Introduction to the Study of Society.* Open to Freshmen by permission. Lec. M 10. Rec. T W 10, 11, 12; Th F 10, 11. Mr Page, Mr Barber.

27b *Principles of Sociology.* Primarily for students who have passed Social Science 192 and who plan to major in sociology, and for certain transfer students. W Th F 2. Mrs Marsh.

31a *Urban Sociology.* Theoretical and practical problems of urban society. Optional field trip. M T W 2. Mr Barber.

32a *Social Disorganization.* Theory of social disorganization; delinquency, crime, and related problems. Psychology 11 or 12 may be offered as prerequisite. Th F S 9. Mr De Nood.

32b *Social Disorganization.* Mental deficiency and pathology; economic insufficiency and related problems. Optional field trip. Psychology 11 or 12 may be offered as prerequisite. Th F S 9. Mr De Nood.

33a *Social Anthropology.* Life and thought of nonliterate peoples; cultural adaptation and change. 34a or b may be offered as prerequisite. M T W 12. Miss Bryson.

34a *Expansion of Western Culture.* Social consequences of contact between Western and non-Western cultures. Problems applied to particular culture areas. No prerequisite. Th F S 10. Mrs Marsh.

- 34b *Expansion of Western Culture*. Further consideration of the problems of culture contact and with reference to additional culture areas. No prerequisite. Th F S 10. Mrs Marsh.
- 35a *The Modern Family*. Current concerns regarding the family; changing laws and attitudes; shifting and permanent values. For Seniors without prerequisite; for Juniors with prerequisite as stated above. M T W 11. Miss Bryson.
- 38b *The Sociology of Social Planning*. An inquiry into the present status of various kinds of social planning. Th F S 11. Mr De Nood.
- [39a *Social Work in the American Community*. Development and theory of modern social services; the basic processes: casework, group work, and community organization. Prerequisite, the introductory course in economics, government, psychology, sociology, or Social Science 192. Offered in alternate years. M T W 10. Miss Day.]
- 310b *Social Aspects of Science*. The cultural values of science; social organization of scientists; the social process of discovery and invention; social problems of science. Prerequisite, a course in sociology, government, economics, history, or psychology. M T W 3. Mr Barber.
- 311b *Class and Caste in American Society*. Major theories and their application to the American scene; examination of current research. M T W 2. Mr Page.
- 40a *European Sociological Theories*. Critical analysis and application of theories of Durkheim, Simmel, Pareto, Weber, Mannheim. Th F S 11. Mr De Nood.
- 40b *Problems of Scope and Method*. Current emphases in theory and research in American sociology. M T W 11. Miss Bryson (*Director*).
- NOTE.—QUALIFIED SENIORS WHO ARE NOT MAJORING IN SOCIOLOGY MAY TAKE 40A OR B OR 40A AND B BY PERMISSION OF THE INSTRUCTOR.
- 41, 41a, 41b *Special Studies*. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in sociology. *Two or three hours*.
- 43b *Seminar in Techniques of Social Research*. Surveys, questionnaires, interviews, case studies, communications research. By permission of the instructor. Recommended background, first semester of Economics 38, Psychology 38a, or Education 39a. Th 4. Miss Bryson.
- 44a, 44b *Seminar in Social Institutions*. Structure, functions, dynamics, and integration of contemporary institutions. By permission of the instructor. Mr De Nood.
- 45a *Seminar in Changing Social Organization*. Theories of social change; struc-

tural changes in modern societies; problems of democratic processes. By permission of the instructor. Mr Page.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. See "Interdepartmental Courses," p. 48.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Special Advanced Studies in such subjects as advanced theory, social organization and disorganization, culture contacts, problems of scientific methodology. *One hour or more*.

Adviser of graduate study: Miss Bryson.

THE MAJOR

Advisers: Miss Bryson, Mr Page, Mr De Nood, Mr Barber.

Based on 26, or on Social Science 192 and Sociology 27b.

Essential Courses: twenty-one semester hours above Grade II in sociology including 40a and b.

Optional Courses: other courses in sociology; appropriate courses in allied departments.

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

Honors

Director: Mr Page.

Prerequisite: 26 or Social Science 192 and Sociology 27b. Candidates are urged to take introductory courses in two or more of the following departments: economics, government, history, philosophy, psychology.

Program: units, seminars, and courses, including six hours in advanced sociological theory, preferably in Junior year; three or six hours for a long paper in first semester of Senior year; three hours for directed reading and review in the second semester; and twelve additional hours in sociology.

Examinations: one in theory and two in fields of concentration which may also include sociological theory.

Units

The units will count for three or six hours each.

American Sociological Theory. Miss Bryson.

European Sociological Theory. Mr De Nood.

Expansion of Western Culture. Mrs Marsh.

Social Stratification. Mr Page.

Social Anthropology. Miss Bryson.

Social Structure and Personality. Mr Barber.

Other units may be offered upon request.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

PROFESSORS:	† RUTH LEE KENNEDY, PH.D. ELIZABETH ANDROS FOSTER, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	MIGUEL ZAPATA Y TORRES, PH.D. KATHERINE REDING WHITMORE, DOCTORA DE LA UNIVERSIDAD DE MADRID HELEN JEANNETTE PEIRCE, A.M.
ASSISTANT PROFESSORS:	ESTHER SYLVIA DILLON, D.M.L. JOAQUINA NAVARRO, A.M. ‡ DENAH LEVY, A.M.
INSTRUCTOR:	PHYLLIS BURROWS TURNBULL, A.M.

The course in Spanish which may be taken to fulfill the distribution requirement in Group A is 25.

Students planning to take the Spanish or the Latin American major who have entered with only two units of an inflected language will be required to take Latin 12a, Greek 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b. The following additional preparation is recommended for those intending (1) to major in Spanish: a reading knowledge of French or Italian, English 21, History 11 or 13; (2) to do Honors work: a reading knowledge of French, History 325a and b or the equivalent, a general knowledge of English literature.

PORTUGUESE

- 21 *Elementary Portuguese*. Prerequisite, two years of Spanish or permission of the instructor. Th F S 9. Miss Peirce.
- 22a, 22b *Reading of Modern Portuguese Prose*. Prerequisite, 21. One hour. Miss Peirce.

SPANISH

A. Language

- 11 *Elementary Course*. M T W 3, Th F S 10. Members of the Department.
- 11d *Elementary Course* (covering the work of two years). Six hours each semester. M T W Th F S 9, 11. Members of the Department.
- 12 *Intermediate Course*. Grammar review and reading of modern prose. Prerequisite, two units in Spanish or 11. M T W 9, 10; Th F S 9, 11. Members of the Department. (L)
- 13 *Reading, Grammar, Composition, and Practice in Oral Spanish*. Prerequisite, three units in Spanish. M T W 9. Members of the Department.

[125] SPANISH & PORTUGUESE LANGUAGES & LITERATURES

21 *Prose Composition*. Prerequisite, 11b, 12, or 16. W Th F 2. Miss Foster.

31a *Advanced Prose Composition*. Prerequisite, 21. Th F S 10. Mr Zapata.

32a *Teachers' Course*. Review of Spanish grammar. Discussion of methods. Practice teaching. Prerequisite, 21 or 25.

33b *Advanced Translation into English*. The material to be translated will be taken from current publications, letters, technical articles. Th F S 12. Miss Foster.

B. Conversation

14a, 14b *Conversation*. Two class hours. *One hour*. M T 2.

C. Literature

The prerequisite for courses of Grade III in this Division is 25.

16 *A Study of Some Aspects of Spanish Life and Culture*. Prerequisite, three units in Spanish. M T W 10; Th F S 10, 11. Members of the Department. (L)

25 *Reading of Modern Novels, Plays, and Poetry*. Prerequisite, four units in Spanish, 11b, 12, or 16. M T W 11; Th F S 9, 12. Members of the Department. (L)

34b *Masterpieces of Spanish Literature to the Beginning of the Sixteenth Century*. Th F S 10.

35a *Spanish Literature of the Sixteenth Century*. M T W 11.

36a *Prose Literature of the Seventeenth Century*. M T W 12.

36b *Drama and Poetry of the Seventeenth Century*. M T W 12.

37a *Drama and Poetry of the Nineteenth Century*. M T W 11.

37b *The Essay and the Novel of the Nineteenth Century*. M T W 11.

38a *Contemporary Spanish Literature*. M T W 10.

310a, 310b *South American Literature*. A study of representative works and authors from the colonial period to the present. Recommended background, History 13 or 325a and b. M T W 2.

40b. Review Unit.

41, 41a, 41b *Special Studies*. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in Spanish. *Two or three hours*.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES [126]

D. Graduate Courses

Students who wish to do graduate work in the Department are required to have a knowledge of Latin.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies in Spanish literature, arranged in consultation with the adviser of graduate study, on subjects such as poetry of the golden age, Cervantes, Tirso and the Spain of his epoch, nineteenth and twentieth century prose.

52 *History of the Spanish Language.* Mr Zapata.

[53a or b *Spanish Bibliography and Literary Methods.* Miss Kennedy.]

Adviser of graduate study: Miss Foster.

THE MAJORS

Advisers: Mrs Whitmore for 1952, Miss Peirce for 1953.

A. The Spanish Major

Based on 11b, 12, or 16.

Essential Courses: from Division A, 21 and 31a; from Division C, 40b and nine semester hours above Grade II.

Optional Courses: other Spanish courses above Grade I or courses in related departments.

B. The Latin American Major

Based on 11b, 12, or 16.

Essential Courses: 310a, 310b, 40b; History 325a.

Optional Courses: 31a, any Grade III course from Division C; Portuguese 21, 22a and b; History 420b; Geology 32b; Sociology 34a; any course of Grade III or IV treating some phase of Latin American civilization.

Honors

Director: Mrs Dillon.

Prerequisites: 11b or the equivalent; 25 or 26 and, if possible, 21.

Program:

Minimum requirement: one unit in language in first semester of Junior and Senior years; a paper and review in Senior year.

Optional courses or units to be selected in consultation with the director.

Examinations:

1. In Spanish: to test ability to use the language.
2. In English: (a) on the whole field; (b) on a special field; (c) on a great writer *not* of the special field.

SPEECH

PROFESSOR:	VERA A. SICKELS, A.M., <i>Chairman</i>
ASSOCIATE PROFESSOR:	LIZBETH R. LAUGHTON, B.A.
ASSISTANT PROFESSOR:	CHARLOTTE H. FITCH, A.M.

- 11a *General Course.* The basic principles of effective oral communication. Practical training in improving voice quality and distinct articulation. Individual conferences. Voice recordings. M T W 10, 12; Th F S 10, 11. Members of the Department.
- 11b Repetition of 11a. M T W 10, Th F S 11.
- 12b *Reading and Speaking.* Application of basic principles to various forms and purposes of oral communication: oral interpretation of prose and poetry, public speaking, drama, and radio. Prerequisite, 11a or b. M T W 12, Th F S 10. Miss Sickels, Miss Fitch.
- 14 *Fundamental Course: Drama.* For students whose main interest is in the field of drama. M T 10, Th F 11, a practice hour to be arranged. Miss Laughton.
- 22a, 22b *Voice Training.* A laboratory course adapted to individual needs. Two class hours. *One hour.* T W 12, Th F 12. Special sections will be arranged for radio and theatre. Miss Sickels, Miss Fitch.
- 23b *Public Speaking.* Organization and delivery of various types of speeches for formal and informal occasions. Prerequisite, 11a, 11b, or 14.
- 24 *Presentation of Dramatic Material.* Principles of stage action, pantomime, and style and manner of delivery, through acting and directing scenes from plays of various types and periods. Prerequisite, 12b or 14. M T W 12. Miss Laughton.
- 25a *Play Reading.* Individual and group practice in the interpretation of lines and scenes from the main periods of dramatic literature. Prerequisite, 12b or 14. M T W 11. Miss Sickels.
- 28 *Phonetics for Foreign Students.* Formation of English speech sounds, their distribution in connected speech, stress, intonation, and rhythm. Two class hours. *One hour each semester.* Miss Laughton.
- 31 *Radio.* Preparation and production of radio programs: plays, interviews, talks, and news reporting. Four class hours to be chosen from M T Th 4-6. Miss Fitch.
- 33a *Discussion.* Practice in the various forms of modern group discussion. Attention given to individual voice and speech problems.

- 35b *Play Reading*. Analysis of character, structure, rhythm, and mood of plays from modern drama, including Ibsen, Shaw, and O'Neill. Prerequisite, 14, 24, or 25a. M T W 11. Miss Laughton.
- 36a, 36b *Oral Interpretation of Literature*. Study of various types of literature for oral presentation, with emphasis on poetry, narrative prose, and poetic drama. Th F 11 and a practice hour to be arranged. Miss Sickels.
- 38b *Oral Interpretation of Children's Literature*. Selection and evaluation of material suitable for story telling, poetry reading, choral speaking, and dramatization. Th F 12 and a practice hour to be arranged. Miss Sickels.
- 44a, 44b *Acting*. Laboratory presentation of directed scenes from contemporary drama for practice in the analysis and creation of characters. Four class hours. Th F 3 and a rehearsal period to be arranged. Miss Sickels.
- 48a *Speech for the Classroom Teacher*. The fundamental processes of oral communication as applied to the speech of the teacher and to the more common types of speech problems found in the classroom. Two class hours and one period for practice and observation. Th F 10. Miss Sickels.
- 48b *Teachers' Course*. General review, with special reference to the pedagogy of voice and speech. Observation and directed practice teaching. By permission of the instructor for Seniors who have had twelve semester hours above Grade I in speech or theatre. Miss Sickels.
- 58a *Experimental Phonetics*. The methods and subject matter of experimental phonetics and its application in speech teaching and speech correction, with special reference to the speech of the deaf. Prerequisites, a fundamental course in speech and Physics 11 or Psychology 11, or permission of the instructor. Mr Hudgins.

THEATRE

PROFESSOR:	HALLIE FLANAGAN DAVIS, A.M., L.H.D., <i>Director</i>
ASSOCIATE	*DENTON M. SNYDER, M.A., <i>Technical Director</i>
PROFESSORS:	EDITH BURNETT, B.S. (Dance)
	FRANK DAY TUTTLE, M.F.A.
ASSISTANT PROFESSOR:	GEORGE BRENDAN DOWELL, A.M.
INSTRUCTORS:	CORNELIA CERF, A.B. (Dance)
	THEODORE KAZANOFF, A.M.
TEACHING FELLOWS:	MARILYN CLAIRE ANDERSON, A.B.
	EDWARD RAWSON JENNISON, B.A.
	ROBERT B. STECK, A.M.
	ROBERT SEINER STEPANOVITCH, A.B.

The course in theatre which may be taken to fulfill the distribution requirement in Group B is 11.

- 11 *Introduction to Theatre*. The place of the theatre in the life of man and in the art and society of his time. Analysis of basic elements of theatre ancient and modern: play, direction, acting, design, audience. Lectures, discussions, and demonstrations. Lec. M T 11; Rec. W 11, 12; Th 12, 2. Mr Tuttle.
- 12 *Fundamentals of Movement for Acting and Dance*. One hour each semester. Lec. W 10 or 2; one supervised practice hour to be arranged. Miss Burnett.
- 22 *Survey of Dance*. Technique, history, eurythmics, and composition. By permission of the instructor. Lec. T 9; four supervised practice hours from M 9, 2-4, W 9, Th 3-5, F 11-1. Miss Burnett and Miss Cerf.
- 31 *Play Production*. Study, laboratory, and rehearsal work necessary for presentation of several productions a year, illustrating co-ordination of writing, acting, design, and stagecraft, accompanied by classwork in these fields. For Juniors taking the major; for others by permission of the Department. Six hours each semester. M T W 2-4. Mrs Davis, Mr Snyder, Mr Dowell, Mr Kazanoff.
- 32a, 32b *Choreography*. Advanced course designed to emphasize individual and group creative expression through the medium of modern dance. Technique, original composition, and production. Prerequisite for 32a, 22; for 32b, 32a. Six studio hours. M T W 11 and three to be arranged. Miss Burnett and Miss Cerf.
- 35a, 35b *Theory and Practice in Special Forms of Dramatic Composition*. Includes the living newspaper and the chronicle history. Mrs Davis.
- 40b Synoptic course designed to help each student unify the work in her major field. Mrs Davis.
- 41, 41a, 41b *Special Studies*. Acting, directing, lighting, design, research. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in theatre. Two or three hours. W 2-4 or by special arrangement. Members of the Department.
- 42a, 42b *Advanced Radio*. Study and practice in the preparation and production of radio scripts. Three hours. Mr Tuttle.
- 43 *Advanced Play Production*. A course in which students will continue their studies in theatre, and will work in an apprentice relationship in staging the Department's season of plays. For theatre majors. Prerequisite, 31. T 2-4. Mrs Davis and members of the Department.
- 50 *Research and Thesis*. Three or six hours. Members of the Department.
- 51, 51a, 51b *Advanced studies arranged in consultation with the Department*. One hour or more.

52 *Rehearsal and Production.* Theory and practice on Department productions; advanced work in direction, acting, lighting, and stage design. *Three or six hours each semester.* Members of the Department.

INTERDEPARTMENTAL MAJOR

Advisers: Mrs Davis and Mr Snyder.

Based on 11.

Essential Courses: 31 and 40b, and 43; Speech 14; Theatre 12. It is advisable for students to have met the speech and dance requirements by the end of Sophomore year.

In addition at least six hours from the following: Theatre 35a, 35b, 42a, 42b; English 312a, 345a, 345b; Speech 24, 25a, 35b, 44a, 44b, 48a, 48b; or courses in other departments approved by the Department of Theatre. Laboratory work in speech and movement may be required.

Honors

Director: Mrs Davis or a designated member of the Department.

Prerequisites: see the requirements for entrance to the major.

Program: the requirements will consist of (1) Junior year, 31; Senior year, 40b. Students may combine this basic work with courses totaling at least fifteen hours in art, English, languages, music, speech, theatre, or any other field approved by the director. (2) An independent piece of work counting for six hours which may take the form of a thesis in the literature, art, or history of the theatre; an original play; creative work in design, acting, direction, or stagecraft.

Examinations: two written and one oral along the following lines: historical, theoretical and literary, technical.

ZOOLOGY

PROFESSORS:

HOWARD MADISON PARSHLEY, SC.D., *Chairman*

MYRA MELISSA SAMPSON, PH.D.

ERNEST CHARLES DRIVER, PH.D.

ASSOCIATE PROFESSORS:

†LOIS EVELYN TE WINKEL, PH.D.

ESTHER CARPENTER, PH.D.

ELIZABETH SANDERS HOBBS, D.SC.

ASSISTANT PROFESSOR:

B. ELIZABETH HORNER, PH.D.

TEACHING FELLOWS:

THELMA VIRGINIA HARDY, B.S.

HELEN LOCKE THOMPSON, A.B.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Zoology 11, 12, Biological Science 195.

Students planning to major in zoology are advised to take 11 in Freshman year

and to have a knowledge of general botany or chemistry and a reading knowledge of German. Chemistry, physics, and German are required by many graduate schools. See also preparation required for Honors work.

- 11 *General Zoology*. Introduction to the study of animals, including the fundamental principles of biology and a comprehensive survey of the animal kingdom. Laboratory work consists of dissection, experiments, and practice in the use of the microscope. Two lectures and two two-hour laboratory periods. Lec. Th F 2. Lab. A, M T 9; Lab. B, M T 11; Lab. C, M T 2; Lab. D, Th F 9; Lab. E, Th F 11. Mr Parshley (*Director*), Mrs Hobbs, Miss Horner.
- 12 *The Anatomy and Physiology of Man and Other Mammals*. A study of the structure and functions of systems for support, motion, nutrition, reproduction, control and integration. Two lectures and two two-hour laboratory periods. Lec. Th F 11. Lab. A, M T 9; Lab. B, M T 11; Lab. C, M T 2; Lab. D, Th F 9; Lab. E, Th F 2. Miss Sampson.
- 22 *Comparative Anatomy of Vertebrates*. Comparison and probable evolution of structures in a series of chordates from amphioxus to mammal. Prerequisite, 11, 12, or Biological Science 195; open to geology majors by permission of the instructor. Two lectures and two two-hour laboratory periods. Lec. M T 11; Lab. M T 2, Th F 9. Miss Horner, Mr Driver.
- [31a *Nutrition*. Human nutrition and its relation to the composition, supply, selection, preparation, and cost of food. By permission of the instructor. Lectures and demonstrations. Th F 9-11. Miss Sampson.]
- 32 *General Physiology*. Experimental study of animal functions, their interrelations and their regulation. For students who have passed 12 or have passed or are taking 22, and Chemistry 11 or the equivalent. Two lectures and two two-hour laboratory periods. Lec. W 9 and 10; Lab. (M T 2), M T 9. Miss Sampson.
- 33 *General Embryology*. Development of animals, with particular reference to vertebrates. For students who have passed 12 or have passed or are taking 22. Two lectures and four hours of laboratory. Lec. Th F 2; Lab. Th F 3-5. Miss Carpenter.
- 34a *Entomology*. Introductory study of insects, with field trips. Prerequisite, 11. Th F 11-1 and two hours of independent work. Mr Parshley.
- 36 *Genetics and Eugenics*. Principles of reproduction and heredity, with economic and eugenic applications. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195 and, for Sophomores, permission of the instructor. Open to students majoring in sociology or education by permission of the instructor. Two lectures, one two-hour laboratory period, and two hours of independent work. Lec. Th F 10; Lab. W 2. Mr Parshley.

- 37 *Histology*. A study of animal tissues including their origin, differentiation, functions, changes with environment and with age, and their arrangement in organs. The laboratory work will include methods of preparation of material for microscopic examination. Prerequisite, 11 or 12. Lec. or Dem. Th F 9; Lab. Th F 11-1. Miss Carpenter.
- 38 *Animal Taxonomy and Ecology*. Field and laboratory work on animal identification and habits. Lectures on early American naturalists, methods of nature study, and wild-life conservation. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195. Two lectures and four hours of laboratory or field work. Lec. M T 2; Lab. M T 3-5. Mr Driver.
- 311b *Protozoology*. Free-living and parasitic protozoa and their relationships to other animals including man. Prerequisite, 11, 12, or Biological Science 195. Th F 11-1 and two hours of independent work. Mrs Hobbs.
- 40b Review Unit. Mr Driver (*Director*).
- 41, 41a, 41b Special Studies. Problems not dealt with in other courses in the Department. By permission of the Department for Senior majors who have had twelve semester hours above Grade I in zoology. *Two or three hours*.
- 42b *Advanced Physiology*. Properties and functions of products synthesized by living organisms, including enzymes, hormones, vitamins, and other specific substances. Prerequisites, 32 and Chemistry 31. One lecture and five hours of laboratory. Lec. F 2; Lab. Th 2-5 F 3-5. Miss Sampson.
- 43a *Development of Zoological Concepts*. Study of man's continuous effort to analyze and reduce to system the knowledge of living organisms and to interpret the phenomenon of life, with special attention to the development of the concept of species and theories of evolution. Open, by permission of the instructor, to students not majoring in zoology. Mr Driver.

Research Courses

In these courses the work is individual and involves, in addition to the laboratory work upon which it is based, extensive reading and conferences with the instructor at stated intervals. A reading knowledge of French and German is desirable. *Two hours or more each semester*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced Studies. *One hour or more*.

[52a, 52b *Embryology*. Prerequisite, 33. Miss Te Winkel.]

53, 53a, 53b *Anatomy* (prerequisite, 22) or *Ecology* (prerequisite, 38). Mr Driver, Miss Horner.

54 *Seminar. Recent Advances in Zoology.* Reading and individual reports.
One hour each semester. Miss Sampson.

56, 56a, 56b *Entomology.* Prerequisite, 34a. Mr Parshley.

57, 57a, 57b *Physiology.* Prerequisite, 32. Miss Sampson.

58a, 58b *Histology and Cytology* (prerequisite, 37); 58 *Tissue Culture* (prerequisites, 37 and Bacteriology 22). Miss Carpenter.

59 *Genetics.* Prerequisite, 36. Mr Parshley, Mr Driver.

NOTE.—See also Botany 533, 54a and b, 55.

510, 510a, 510b *Protozoology.* Prerequisite, 311b. Mrs Hobbs.

Adviser of graduate study: Miss Sampson.

THE MAJOR

Advisers: Mr Parshley, Miss Sampson, Mr Driver, Miss Carpenter.

Based on 11 or 12. If based on 12, 11 must be taken later.

Essential Courses: 22, 40b, and twelve semester hours in zoology above Grade II.

Optional Courses: other courses in zoology; courses in botany, chemistry, geology, physics, or psychology; Economics 38; Bacteriology 22, 34; Physical Education 43b.

Honors

Director: Miss Carpenter.

Prerequisites: 11 and 22; Chemistry 11 or its equivalent. Normally these courses should be taken before Junior year.

Program:

Requirements: 32, 33, 43a, and three additional hours in zoology; three hours on a problem or paper; three hours of directed reading and review.

Optional courses approved by the director.

Examinations: two will cover the general field, the third may be of a specialized character.

INTERDEPARTMENTAL MAJORS

In addition to the departmental majors there are interdepartmental majors in which courses offered by different departments are focused on a certain field of study. Except in American Studies the work is so arranged that it covers four years instead of two. Students are expected to fulfill the general college requirements for the first two years. Interdepartmental majors are offered in the following: American Studies; Architecture and Landscape Architecture; Sciences, including Bacteriology, Physiological Chemistry, and Premedical Science; Theatre; General Literature.

AMERICAN STUDIES

This major aims to bring into a single focus certain courses which explore the history of thought and expression in the United States.

Based on History 11 or 28 and one of the following: English 21, General Literature 291, an equivalent course approved by the adviser, Mr Aaron.

Essential Courses:

Twelve hours in Junior year chosen from History 28, 321a and b; English 329; Art 313a and b; Music 318b.

Six hours from History 319a, 320a, 321a and b, 322a and b, 42b, 413a, 414a and b, 415b, 56b, 57a; English 329, 416a and b, 417b, 512a and b; Art 313a and b, 45a; Music 318b.

(These eighteen hours must include at least six in history, six in literature, and three in art or music.)

Three hours from Education 36b, Government 38a or 46b, Philosophy 310a, Religion 32b.

Three hours in 40b: *Integrating Course in American Studies*.

Optional Courses: six hours in courses selected from related fields of study.

It is urged that courses taken outside the major should not include any listed above. The requirement of at least six hours during the Junior or Senior year in a Division other than the one in which the student is majoring must be satisfied by elections outside the field of this major.

Honors

Students eligible for Honors work in American Studies should arrange to take Honors in English or history, with emphasis on the American field.

ARCHITECTURE AND LANDSCAPE ARCHITECTURE

This major is planned for students who have a special interest in these subjects and for those who expect to make them a profession. They are so interrelated that some professional schools require study in both fields in preparing for either profession. Advanced credit is allowed in certain of these schools to those who have taken this major.

40b. Integrating Project or Paper in Architecture and Landscape Architecture.

Based on Art 11, 12, or 13. Botany 27 is advised.

Essential Courses: Art 322a, 323b, 325, 339, 341; Botany 38a and b; Architecture and Landscape Architecture 40b.

Optional Courses: Art 212, 321, 326, 45a, 41, 41a, 41b; Botany 11, 22b, 33b; Geology 11; Mathematics 12 or 13; Physics 11; Sociology 31a; French or German.

Adviser: Miss Koch or Mr Putnam.

Honors

Director: Miss Koch.

Examinations: one will be the solution of a project to test the student's ability in the technical field; one, her scholarship in the history of architecture and of landscape architecture; one will comprise essay questions of a general nature treating several fields together.

SCIENCE

The interdepartmental majors in science are designed as preparation for (1) professional schools such as medicine, public health, or nursing; (2) graduate study in those fields which involve a thorough knowledge of more than one science, *e.g.* biochemistry, biophysics, or bacteriology; (3) laboratory work. Because it is advantageous to have basic training in chemistry, physics, zoology, and mathematics, it is urged that the student see the advisers of these majors as early as possible in Freshman year.

Students planning to enter schools of nursing may consult Miss Sampson for information concerning entrance requirements for these schools.

BACTERIOLOGY

Essential Courses: Chemistry 11, 21a and b, 31; Bacteriology 22, 34, 40b; Zoology 12 or 22.

Optional Courses: courses in chemistry, bacteriology, physics, zoology, or mathematics approved by the adviser, Miss Smith.

Honors

Director: Miss Smith.

Prerequisites, normally taken before Junior year: Bacteriology 22; Chemistry 21a and b; Zoology 12 or 22.

Program:

Requirements: Bacteriology 34, 43a; Chemistry 31; three hours throughout Senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, zoology, bacteriology, physics, or mathematics approved by the director.

Examinations: one in chemistry, one in bacteriology, one selected according to the student's program.

PHYSIOLOGICAL CHEMISTRY

Essential Courses: Bacteriology 22; Chemistry 11, 21a and b, 31, 42a; Zoology 12 or 22, 32, 42b.

(Chemistry 42a and Zoology 42b will serve as the integrating course in this major.)

Optional Courses: other courses in chemistry, bacteriology, zoology, physics, mathematics, or Botany 35 with the approval of the adviser, Miss Burt.

Honors

Director: Miss Burt.

Prerequisites, normally taken before Junior year: Chemistry 21a and b; Mathematics 12 or 13; Zoology 12.

Program:

Requirements: Bacteriology 22; Chemistry 31, 42a; Physics 11 or 12; Zoology 32, 42b; three hours throughout Senior year on a problem, paper, reading, and review.

Optional Courses: courses in chemistry, physics, bacteriology, zoology, mathematics, or other related fields by permission of the director.

Examinations: one in chemistry, one in physiology, one selected according to the student's program.

PREMEDICAL SCIENCE

The courses listed represent the minimum requirement for entrance to most medical schools, but as these differ from one another it is advisable for students to decide in the spring of Freshman year which school they plan to enter and include any additional courses necessary. Thirty hours in the major are required in the three upper years of which twenty-one must be above Grade II.

40b Directed reading in the history of medicine from the standpoint of concurrent developments in chemistry, physics, and zoology.

Essential Courses: Chemistry 11, 21a and b, 31; Physics 11 or 12; Zoology 11 or Biological Science 195, Zoology, 22; Premedical Science 40b; a college course or its equivalent in German, French, or Spanish.

Optional Courses: other courses in chemistry, physics, mathematics, or zoology. Sociology 32a, 32b, or Psychology 46 may be substituted with the permission of the adviser, Mrs Hobbs.

Students may also prepare for medical schools by majoring in any department, if they include in their schedules the courses suggested above as the minimum requirement. They may consult the adviser of this major about their choice of courses.

Honors

Director: Mrs Hobbs.

Prerequisites, normally taken before Junior year: Chemistry 21a and b; Physics 11 or 12; Zoology 11 or Biological Science 195; a college course or its equivalent in German, French, or Spanish.

Program:

Requirements: Chemistry 31; Mathematics 12 or 13; Zoology 22; three hours throughout Senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, physics, zoology, mathematics, or bacteriology. Sociology 32a, 32b, or Psychology 46 may be substituted with the permission of the director.

Examinations: one in chemistry, one in zoology, one selected according to the student's program.

THEATRE

The Interdepartmental Major may be found in the offering of the Theatre Department.

GENERAL LITERATURE

Director: Mr Fisher (1950-51), Mr Arvin (1951-52).

This major allows the student to concentrate in the literature of two languages: English and one foreign language, or two foreign languages. Students who plan to elect this major and have entered with less than three units of Latin or Greek or a combination of the two will be required to take Latin 12a, Greek 11, 12a, or six hours of the classics in translation.

Based on two of the following: General Literature 291, Greek 12a and 12b or Latin 14a and 14b, English 21, French 26, German 26, Italian 26, Spanish 25, Russian 21. (When General Literature 291 is used as a basis, English 21 must be taken in addition to the major in the Junior year.)

Essential Courses: twelve semester hours in literature courses in each of the two departments of concentration (eighteen of these twenty-four hours must be above Grade II); six semester hours of a third literature either in the original or in translation; General Literature 40b.

The student is expected to attain (1) a knowledge of the development of two modern literatures in each of two comparable periods, or (if one of her choices is Greek or Latin) a knowledge of the influence of a major figure or genre on a modern literature and (2) a special understanding of at least one major figure in each of the principal literatures chosen.

Optional Courses: supplementary literature courses in other periods and relevant courses in other fields.

Graduate Study

Smith College offers to graduate women programs leading to the degrees of Master of Arts, Master of Education, Master of Science in Physical Education, and Doctor of Philosophy. For foreign students programs for a Certificate of Graduate Studies are available. Ordinarily over one hundred women students are registered for advanced instruction, which is available in practically all departments of the College, and in the interdepartmental fields of bacteriology and genetics.

To be admitted as a candidate for a degree an applicant must have received her baccalaureate degree from a college or university of recognized standing, have fulfilled the prerequisite requirements for the field in which the degree is to be received, and show promise of ability satisfactorily to pursue advanced study and research.

Graduate courses are open to men as well as to women students. Graduates of any college of approved standing may receive instruction without reference to the attainment of an advanced degree.

REQUIREMENTS

The requirements for the degrees of Master of Arts and Master of Education may be fulfilled in one year by well-prepared full-time students; for the Master of Science in Physical Education, in two years (in one year by specially qualified students). The degree of Doctor of Philosophy is offered in a limited number of departments, and requires at least three years of advanced studies including one year at another institution.

FELLOWSHIPS & SCHOLARSHIPS

The College offers several fellowships and scholarships which are open to graduates of Smith College and to women graduates of other colleges of good standing. Special scholarships are available for study in Education and in Physical Education. Other fellowships are offered to students from foreign countries.

The science departments, and the departments of music, theatre, history and the social sciences offer teaching fellowships for part-time graduate study combined with departmental assistance.

INFORMATION

Full information concerning the requirements for the various advanced degrees, admission, residence fees and fellowships is given in the *Bulletin of Graduate Studies*. This bulletin, an application blank for admission, and other information may be obtained from the Executive Secretary to the Committee on Graduate Study.

General Information

THE COLLEGE COMMUNITY

RESIDENCE

Community life and interests are an integral part of the education offered by Smith College. A large number of student organizations—of a civic, cultural, athletic, religious, political, social, pre-professional, or service nature—have the lively support of interested members of the student body to whom they give valuable experience. For some of these activities, such as the largely autonomous student government, various campus publications, and the college radio station, the students themselves are almost wholly responsible; for others, such as the formal musical activities, faculty direction is provided.

Life on the campus is also enriched by an extensive program of lectures and concerts which bring to the College distinguished speakers and musicians from this country and abroad. Additional lectures, concerts, recitals, plays, and debates by both the faculty and the students make for a full and varied calendar.

In support of these and other aspects of community life, the College emphasizes the importance of residence. Freshmen, Sophomores, and Juniors (in their first semester) are allowed only a limited number of nights away from the campus in each semester. After the middle of the Junior year, the student herself assumes the responsibility for upholding the principle of residence. Within this framework, it has been possible for the faculty to grant to all students except Freshmen and those whose standing is below diploma grade the responsibility for their own class attendance on all except the opening and closing days of a session. To those students who live beyond the western boundary of Minnesota, Iowa, Missouri, Arkansas, and Louisiana, or a similar distance from Northampton, special permissions are given to extend the winter or spring recess.

Further details concerning the college community are given in *Smith College: a Handbook of Information*. Faculty and student legislation relating to residence and attendance is printed in full in *Smith College: Rules and Regulations*.

THE HOUSES

The basic unit of the campus community is the college house which normally accommodates fifty to seventy students representing all four classes. Assignments to houses are made in the order of dates of application for admission to college, except when students are admitted from a waiting list. A student may move from one house to another once during her college course, the order of assignment after the Freshman year being determined by lot.

Except for a few smaller houses which are grouped together to make a single unit, each college house has its own living rooms, dining room, and kitchen, and

is in the charge of a Head of House who devotes full time to the administration of the house and the welfare of its members. In most of the houses there is also a resident member of the Faculty. Social regulations governing life in the houses are administered by the Student Government Association. Because of high operating costs, every student is asked to contribute up to four hours a week of light service to the house in addition to taking care of her own room.

RELIGIOUS LIFE

The College provides ample opportunity for the development and expression of religious faith of all creeds. Worship services are held in the evening from Monday through Friday in the Little Chapel, and College Vespers on Sunday bring outstanding clergymen to the campus. The Smith College Religious Association, of which every student is a member, includes a Christian Association for Protestants, a Newman Club for Roman Catholics, and a Hillel Club for Jewish students, and offers co-operative programs of education and community service. These campus activities are under the direction of a full-time chaplain. The Northampton churches welcome students at their services. Thus it is possible for students of each faith to strengthen their own convictions and to gain an understanding and appreciation of other traditions.

HEALTH

The Health Service is directed by the College Physician assisted by a medical staff of four resident physicians. The Doctors' Office and the Elizabeth Mason Infirmary provide medical care and facilities for treating normal illness. For unusual or serious illness, the services of specialists in Northampton and Springfield are available. The Health Service also emphasizes preventive medicine by exercising supervision over the health of the dormitory staffs and working closely with the College Dietitian.

The College has arranged to co-operate with a reputable insurance company in offering a voluntary insurance plan which protects the student over a twelve-month period, whether in residence at college or not. Students are strongly urged to take out this insurance which gives unusual protection in addition to that which the College offers without charge.

In the interests of individual and community health, every student is expected to comply with the health regulations which are printed in *Rules and Regulations*.

VOCATIONAL COUNSELING AND PLACEMENT

The Director and the Associate Director of the Vocational Office assist students of all four classes in selecting their future occupations and in relating their courses to these occupations. They provide information concerning specialized and professional training, arrange lectures and discussions on various vocations, and

schedule interviews with employers who visit the campus. The Vocational Office also serves as a placement bureau for alumnae and seniors who are seeking permanent positions, and for underclassmen who wish placements for the summer.

Letters of recommendation for seniors and alumnae are filed with the Vocational Office and will be sent upon request to prospective employers and scholarship committees.

BUILDINGS AND GROUNDS

COLLEGE HALL, dedicated in 1875 at President Seelye's inauguration, is the main administrative building of the college.

JOHN M. GREENE HALL, given by John D. Rockefeller and other donors, is a large auditorium seating 2,066 with additional seating space on the stage. Besides a fine four-manual organ which was presented by the Class of 1900 as a memorial to Cornelia Gould Murphy, there are two accessory two-manual organs.

SEELYE HALL, given by friends of President Seelye, contains classrooms for over fifteen hundred students, the laboratories of the Department of Geology and Geography, and department offices.

HATFIELD HALL, formerly Hatfield House, became an academic building in 1926, providing needed seminars and classrooms.

THE WILLIAM ALLAN NEILSON LIBRARY, the gift of Andrew Carnegie, alumnae, and students, contains a large reference room, general reading and study rooms, department seminar rooms, a Rare Book Room, and a room for the college archives. The Browsing Room, furnished as a private library, offers opportunity for leisure-hour reading. A wing was built in 1937 to provide more stacks, and to make possible additional seminar rooms, carrells for students, and offices for staff and faculty. The Little Chapel occupies the outer end of this wing.

The Smith College Library contains 368,205 volumes, this number including those books and pamphlets housed for greater convenience in the libraries of the art, music, and science buildings. The open-shelf system permits free access to all books.

THE HILLYER GALLERY, named for Winthrop Hillyer whose gift and bequest made this first art gallery possible, is equipped with studios and exhibition rooms, a library of art in memory of Drayton Hillyer, and a collection of approximately thirty-three thousand photographs and forty thousand slides. Graham Hall, a lecture hall seating 265, was added through the generosity of Christine Graham Long of the Class of 1910.

When the TRYON GALLERY was presented to the College by Mr and Mrs Dwight W. Tryon to house the Smith College Museum of Art, most of the paintings, prints, and other works of art were transferred to it from the Hillyer Gallery. It also contains galleries for loan exhibitions, which are arranged under the auspices of the Museum to supplement the permanent collections.

Named in honor of Mrs Russell Sage, SAGE HALL is the music building, containing classrooms, offices, practice rooms, a library, and a collection of about

fifteen thousand records. It also has an auditorium seating 743 and equipped with a Hammond organ and apparatus for motion pictures.

THE STUDENTS' BUILDING, designed in 1903 to be the center of the social life of the students, is now the home of the Smith College Theatre. Classrooms and offices of the Departments of Speech and of Theatre, and the headquarters of a few student organizations are also located in this building.

PIERCE HALL, until 1924 the music building, was then named in honor of Professor Arthur Henry Pierce and is devoted mainly to the Department of Psychology.

LILLY HALL OF SCIENCE contains the lecture rooms, laboratories, and library of the Department of Physics. It was the gift of Alfred Theodore Lilly.

THE OBSERVATORY was given by President Seelye and Mr A. Lyman Williston in honor of Henrietta Chapin Seelye and Sarah Tappan Williston. The instruments include equatorial telescopes, a Ross camera, and other apparatus for teaching purposes.

STODDARD HALL, the chemistry building, named in honor of Professor John Tappan Stoddard, was built in 1898 and enlarged by an addition in 1918. It contains a lecture room, library, laboratories, classrooms, offices, and modern research equipment.

BURTON HALL, a building of modern construction provided with the best equipment for the study of the biological sciences, was named for President Burton and was opened for use in September, 1914.

THE LYMAN PLANT HOUSE, the gift of Edward Hutchinson Robbins Lyman in memory of his mother Anne Jean Lyman, comprises nine greenhouses illustrating the vegetation of different climates, together with physiological and horticultural laboratories. Adjoining is the BOTANIC GARDEN designed for horticultural study, with sections to illustrate plant classification and habits. Arranged about the college grounds are smaller gardens and numerous varieties of native and imported trees and shrubs.

THE ALUMNAE GYMNASIUM, given by the alumnae and their friends in 1891, contains a large floor for basketball, badminton, and tennis backboard, as well as two bowling alleys and four squash courts.

THE SCOTT GYMNASIUM was named in honor of Col. Walter Scott. It contains a large floor used for volleyball, basketball, and fencing, a room for dance, two smaller gymnasiums for group gymnastics, a graduate student classroom and library, a swimming pool 75 feet by 23 feet, an undergraduate lounge, and department offices.

THE RECREATION FIELDS, over thirty acres in extent, including the Allen Field, the gift of Frank Gates Allen, and the New Athletic Field, afford opportunities for such sports as hockey, soccer, baseball, lacrosse, tennis, archery, volleyball, practice golf. A short distance away are the Riding Stables. The Field House was built on the New Athletic Field in the summer of 1939 with funds given by the classes of 1938 and 1939, the undergraduates, the Athletic Association, and the Trustees. Besides storage space for athletic equipment and skates and skis, it contains a lounge, a kitchenette, a small meeting room, and dressing rooms. The

Boathouse on Paradise Pond has accommodation for canoes, rowboats, and rowing machines. In the Crew House are eight rowing shells and a large recreation room.

GILL HALL is used by the Department of Education and Child Study for the Smith College Day School. In addition to the classrooms there is an assembly hall seating 170. Adjoining is a large playground.

THE ELISABETH MORROW MORGAN NURSERY SCHOOL, acquired through the bequest of Mrs Morgan of the Class of 1925, occupies a site adjoining the Smith College Day School.

The clinical offices of the Health Service are located in GATEWAY HOUSE.

THE ELIZABETH MASON INFIRMARY was opened in 1919. Its name commemorates Elizabeth Mason Howland, a graduate of the Class of 1904 and a daughter of Frank H. Mason whose gift completed the fund raised by the Alumnae Association. It is a fireproof building carefully designed to serve the purposes of a college infirmary. The Florence Gilman Pavilion increases the facilities for the care of students and faculty.

THE ALUMNAE HOUSE, presented to the College by the Alumnae Association in 1938, contains offices for the Association staff, rooms for the use of the alumnae and the college including a conference room seating 300.

DAVIS STUDENT CENTER, a newly converted recreation building for student use, contains a food shop, lounge, ballroom, and committee rooms for student organizations. It was named by the students in honor of President Davis.

THE COLLEGE HOUSES

The thirty-five dormitory units provide living accommodations for approximately twenty-one hundred students.

The Old Campus: Chapin, Dewey (together with Clark, a small house adjacent to it), Haven (together with Wesley), the Hopkins group (three contingent houses), Hubbard, Lawrence (co-operative), Morris, Park and Park Annex, Tenney (co-operative for upperclassmen), Tyler, Wallace, Washburn (the Spanish House).

The Campus Northeast of Elm Street: Albright (co-operative), Baldwin, Capen and Capen Annex, Dawes (the French House, for upperclassmen), German (primarily for upperclassmen), Gillett, the Henshaw group (four contingent houses), Northrop, Parsons and Parsons Annex, Sessions, Talbot.

The Quadrangle Houses: Comstock, Cushing, Ellen Emerson, Franklin King, Gardiner, Jordan, Laura Scales, Martha Wilson, Morrow, Wilder.

The Graduate Houses: Fort Hill, Graduate (30 Belmont).

EXPENSES

TUITION AND RESIDENCE FEE		\$1,600.00
One half payable in advance of the beginning of each semester.		
PRELIMINARY PAYMENTS		
<i>Registration for application for admission</i>		\$10.00
Not refunded or credited.		
<i>Deposit payable on or before June 1 preceding entrance</i> . . .		\$50.00
Not refunded in case of withdrawal before entrance. Re- funded after graduation. Also refunded to members of the three upper classes in case of withdrawal, if notice in writing is filed with the Registrar prior to July 1 for the first semester, or prior to December 1 for the second semester.		
OTHER FEES AND CHARGES		
<i>Infirmiry charge per day</i>		\$6.00
Each student may have Infirmiry care for seven days each year without charge, but no more than three free days may be used for any one illness. The usual charges will be made for special nursing care and for services of physicians or specialists from outside the college.		
<i>Fees for courses in practical music</i>		
Vocal or instrumental, for the college year:		
One hour lesson a week		\$150.00
One additional half-hour lesson taken for extra credit . .		75.00
Courses in ensemble when given individually		50.00
Use of room for piano or vocal practice, one hour daily . .		10.00
Use of room for violin or other practice, one hour daily . .		5.00
Use of practice organs in John M. Greene Hall, one hour daily		25.00
Use of college orchestral instruments, one hour daily . . .		10.00
<i>Fees for classes in riding</i>		
		<i>Freshmen</i> <i>Sophomores</i>
Fall term		\$37.50 \$56.25
Winter term		35.00 35.00
Spring term		32.50 48.75
Fall and spring terms if the entire fee is paid		
in the fall		60.00 95.00
<i>Materials for courses in technical art</i>		at cost
GRADUATION FEE		\$10.00
ESTIMATED ADDITIONAL EXPENSES		
Books each year, approximately		\$50.00
Subscriptions and dues, student activities		25.00
Gymnasium outfit for physical education		22.85
Recreation and incidentals, from \$100 to \$150		

SCHOLARSHIPS & FINANCIAL AID

SCHOLARSHIPS

For students of marked ability who are unable to meet their full expenses, the College offers tuition scholarships ranging from \$250 to \$850, a limited number of residence scholarships, and a number of work scholarships for upperclass students only. These scholarships are made possible through endowed funds given to the College for scholarship purposes, as well as by an annual appropriation from general income and annual scholarship gifts from Alumnae Clubs and other organizations.

All scholarships are awarded on the basis of high academic standing, personal qualifications, and financial need. They are given for one year only but may be renewed. Applications from entering students should be sent to the Director of Scholarships and Student Aid by March 15.

Tuition scholarships are granted at the discretion of the Trustees to undergraduates who have been residents of Northampton or of Hatfield for three years before the date of their admission to college, provided they are able to satisfy the full requirements of admission; this grant is continued through their college course provided they maintain diploma grade, conform to the regulations of the College, and continue to be residents of Northampton or of Hatfield.

The College awards fifteen scholarships in music each year.

Two tuition scholarships for use at seaside laboratories are granted by the College to students who show marked proficiency in the Departments of Zoology and Botany.

Endowment funds given to the College for scholarship aid are listed on page 147-151.

FIRST GROUP SCHOLARSHIPS

The following scholarships are awarded to students of highest academic standing:

The Neilson Scholarships. Not more than fifteen scholarships, created by the Board of Trustees in honor of President William Allan Neilson on the completion of fifteen years of his administration, are awarded annually to students in the first group of scholars in the three upper classes.

The Dwight W. Morrow Scholarships. Ten scholarships are awarded annually to Seniors in the first group of scholars.

The William A. Neilson Scholarship. This provides full tuition for a student in the first group.

The Sophia Smith Scholarships. These scholarships are awarded without stipend to members of the three upper classes whose standing entitles them to a place among the first group of scholars.

RESIDENCE SCHOLARSHIPS

Residence scholarships are awarded in three co-operative houses. Entering students desiring rooms in one of these houses should make special application to the Director of Scholarships and Student Aid not later than February 1 of the year when admission is desired. Upperclass students apply for rooms in person at a time specified in the *Bulletin*.

Lawrence House and Albright House offer opportunity to one hundred and twenty-five students to reduce their living expenses. Board and room may be had in these houses for \$500 for the college year. Each student is expected to give approximately an hour a day to the work of the house in addition to the care of her own room.

Tenney House, originally established as the gift of Mrs Mary A. Tenney, is open to members of the three upper classes. In this house the students co-operate in the purchase of food and in the duties of housekeeping. The cost of a room in Tenney House is \$150 for the year; current prices determine the cost of board.

In memory of Mrs Tenney ten scholarships have been established known as the Tenney Residence Scholarships. These consist of \$100 each to be applied toward residence in any college house. They are awarded to students of approved character and scholarship in the three upper classes upon the recommendation of a committee consisting of Miss Mensel and Miss Lincoln.

SELF HELP

The College undertakes general supervision of the remunerative work done by undergraduates. Students wishing any kind of employment during the college year should register with the Director of Scholarships and Student Aid. Only a limited amount of work is available, most of which is given to students of the three upper classes.

A few upperclass students are given the opportunity to earn their full board by doing twenty-one hours of work a week in the houses.

LOANS

The Smith Students' Aid Society, Inc., organized in 1897, offers to the extent of its means loans of varying amounts to students of approved scholarship and character from the three upper classes. Loans granted shall become due as follows: ten per cent on May 1 of the first year following that in which the borrower's class graduated from Smith College; thirty per cent one year later; and sixty per cent two years later. Interest at six per cent shall begin to run after the said maturity dates. Applications for loans may be made to Miss Eleanor T. Lincoln, 54 Prospect Street, Northampton. Contributions to the work of this Society may be sent to its treasurer, Miss Emma B. Proctor, College Hall, Northampton.

FELLOWSHIPS

The announcement of fellowships awarded for graduate work including those open to students from foreign countries is in the *Bulletin of Graduate Studies*.

ENDOWED SCHOLARSHIPS & PRIZES

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Charles Clinton Abbey	\$ 55,540.74
J. J. Albright	6,700.00
Susan Fuller Albright	7,250.00
Elizabeth Arden	10,000.00
Franklin Baldwin	1,200.00
Bartol	72,713.80
Suzan R. Benedict	10,020.47
Mary Nichols Billings	5,000.00
Mildred Louer Bird	16,000.00
Morris A. Black	2,000.00
Carolyn Peck Boardman 1891 Memorial	5,165.00
The President Burton Memorial	33,512.03
Jessica White Cabot	10,014.60
Jean Cahoon Memorial	10,000.00
Gibson Lamb Caldwell Memorial	9,400.00
John A. Callahan	7,340.81
James R. Campbell	1,009.97
Canadian	9,783.21
Bessie T. Capen	5,531.25
Helen Clarissa Gross Chandler 1905	10,000.00
Elizabeth Marguerite Dixon Clark 1906 Memorial	17,000.00
The Class of 1883 Scholarship Fund in Honor of Elizabeth Lawrence Clarke	8,651.00
Class of 1887	10,000.00
Class of 1897	32,793.82
Class of 1898	6,122.50
Class of 1905	10,150.00
Class of 1949	9,836.94
Class of 1950	5,779.50
Sara Hunt Clough Memorial	1,000.00
Mildred E. Ford Cobb Memorial	17,300.00
Katharine Baylis Cochran	8,000.00
E. C. Converse	50,000.00
Augusta E. Corbin	8,528.13
Charlotte Graves Cross	5,390.00
Virginia Winslow Davis 1909	8,021.00
Paul Dudley Dean Memorial	4,080.00
Vivian Bubb Decker	1,000.00
Mary D. Dey	5,000.00

GENERAL INFORMATION

[148]

<i>Name of Fund</i>	<i>Amount of Principal</i>
Anna N. Dice and John William Dice Memorial	\$ 2,000.00
Elizabeth Lind Dice 1905	1,000.00
Elizabeth Lind Dice and John Dice Memorial	3,000.00
Eleanor S. Duckett and Mary Ellen Chase	10,000.00
Mary Carter Duncan	10,000.00
Elizabeth Edwards Memorial	5,000.00
Constance Elaine Memorial	5,000.00
Elizabeth S. Fisk Memorial	2,000.00
Ida E. Fisk Memorial	2,000.00
Marietta Miles Fisk Memorial	2,000.00
Elizabeth Fobes	1,000.00
Clara and Joseph F. Ford	1,600.00
Mary P. Fowler	15,000.00
Emily Frink	2,000.00
Fannie Furman Memorial	10,000.00
Eleanor N. Gaffield	10,000.00
Gamble	2,000.00
Gannett Memorial	2,000.00
Carrie L. W. and Marion Gary	12,437.23
Gertrude Gladwin 1900 Memorial	10,476.00
Howard Rogers Clapp and Howard Rogers Gleason Memorial	15,370.00
Jessie S. R. Goldthwait	10,000.00
Elizabeth Firestone Graham 1938	21,186.25
Mary Louise Brown Graham	10,000.00
Elizabeth Bancker Gribbel Memorial	12,000.00
Ellen Clarissa Gross	10,000.00
Charlotte C. Gulliver Memorial	10,040.00
Julia Henrietta and Mary Gulliver	9,528.48
Elizabeth Deering Hanscom	15,523.69
Mary S. Harkness	10,000.00
Harriet Boyd Hawes—Graduate	12,000.00
Helen Hills Hills 1908	21,250.00
Anna Laura Holbrook	14,508.00
Esther R. Holmes	6,000.00
Ellen Holt 1890	10,005.00
Charlotte Manning Hoover 1932	5,050.42
Lucia Maria Houpt	2,500.00
Agnes Hunt Memorial—Graduate	1,000.00
Lillia Babbitt Hyde Foundation	20,000.00
William Bertram Imlach	8,650.82
Ruth Eckhart Jarvis 1922	10,500.00
Emily Harris Jones 1936	10,000.00

<i>Name of Fund</i>	<i>Amount of Principal</i>
Caroline E. Kilbon	\$ 200.00
Jessie Stevenson Kovalenko	5,000.00
Kresge Foundation	40,000.00
Mary Lanning Memorial	5,000.00
Lathrop Memorial	1,350.00
Latin American—Class of 1890	7,500.00
Caroline Saunders Lindeke 1901	4,405.00
Agnes Linton	1,000.00
Alice and Florence Lord	5,023.64
Jeanette Laws McCabe 1919	20,800.00
Helen Roberts McCormick 1926	10,300.00
Ethelyn McKinney 1895	22,000.00
Barbara McRoy	43,496.85
Beatrice Austin Manning	12,000.00
Maplewood Institute Memorial	5,000.00
Helen Ayer Marden	1,000.00
Margaret Mitchell	967.00
Dwight W. Morrow	100,000.00
Nellie Eddy Mudge	2,000.00
Miriam Myers Memorial	5,000.00
Ida A. Nathanson Memorial	1,500.00
Ruth Perry Neff 1919 Memorial	3,815.00
William A. Neilson	15,000.00
Oakland	2,000.00
Alice Edgerton Parsons 1928	4,000.00
Barbara Whitney Peck	10,000.00
Harriet and Gurdon Pellett Memorial	44,628.81
Elizabeth Bartlett Phillips	5,000.00
Isabelle Pickering	30,000.00
Ellen Plimpton	6,000.00
Olive Higgins Prouty	19,768.75
Edith Nichols Putney Memorial	1,771.49
Louise Cornell Rausch	2,760.00
Annie E. Rice	5,000.00
Dagmar Megie Ross 1905 Memorial	18,500.00
Christina Rounds Memorial	6,000.00
Samuel Runner	5,000.00
Lucy J. Russell	1,000.00
Margaret Roberts Sanborn 1907 Memorial	5,305.00
S C A D S	20,000.00
Benjamin and David Sharps	2,500.00
Alice Goodwin Schirmer	5,000.00

GENERAL INFORMATION

[150]

<i>Name of Fund</i>	<i>Amount of Principal</i>
Laura Shedd Schweppe 1900 Memorial	\$ 20,000.00
Edith Scott 1909	8,000.00
Sadie D. Scott	8,000.00
Emma E. Scranton	1,000.00
Seaver	10,000.00
St. Agatha-Emma Sebring	2,000.00
Edith Dudley Sheldon	1,500.00
Elsie Damon Simonds	34,350.00
Andrew C. Slater	4,000.00
Anna Margaret Sloan and Mary Sloan	16,807.78
Frances Grace Smith 1893 Scholarship	55,000.00
Frances Grace Smith Fellowship	20,000.00
Louise Smith	51,585.51
Smith College Club of Akron	2,025.00
Smith College Club of Buffalo	100.00
Smith College Club of Cincinnati	12,135.56
Smith College Club of Cleveland	4,697.62
Smith College Club of Detroit	10,117.07
Smith College Club of Fitchburg	5,000.00
Smith College Club of New Haven	10,168.24
Smith College Club of New York	15,000.00
Smith College Club of the North Shore (of Chicago)	7,863.72
Smith College Club of the Oranges	14,131.75
Smith College Club of Philadelphia	6,705.24
Smith College Club of Rhode Island	12,000.00
Smith College Club of Seattle	3,761.28
Smith College Club of Winchester	400.00
Jean Fine Spahr Fellowship	21,342.32
Caroline Lounsbury Steele 1892 Memorial	2,913.00
Anne Straw, Class of 1948	15,000.00
Otto Sussman	157,325.00
Emily Hitchcock Terry Memorial	3,000.00
Charles M. Thayer Memorial	3,000.00
Helen Rand Thayer	10,000.00
Julia Ball Thayer	6,000.00
Eva I. Titman	5,000.00
Roslyn Titman	5,000.00
Lulu Morris Wadley Memorial	5,000.00
Rodney Wallace	10,000.00
Sophia Billings Wallace	5,000.00
Sophia Ingalls Wallace	5,000.00
Jane O'Neil Wallis 1933 Memorial	10,505.00

<i>Name of Fund</i>	<i>Amount of Principal</i>
Mary Rankin Wardner 1892 Memorial	\$ 4,000.00
Mary Bird Wells 1897 Memorial	11,233.75
Westmoreland County (Pa.)	9,589.00
Julia Carolyn Weston	10,000.00
Margaret White Memorial	5,000.00
White Lodge	2,622.00
Catherine Lasell Whitin	10,100.00
Hiram Whittington	10,000.00
Sarah Watkins Wilder and Sarah Wheaton Whipple—Graduate	10,837.34
Mary E. Wilson 1891 Memorial	5,353.00
Wood	10,000.00
Ella Eames Wood 1883	6,026.52
Robert M. Woods Memorial	5,000.00
Fanny Bullock Workman—Graduate	30,000.00
Josephine Clews Wrightson Memorial	21,500.00
Miscellaneous	25.60
TOTAL	\$2,132,299.06

PRIZE FUNDS

The *Alpha Awards* are made annually by a committee of the Faculty for excellence in the fields of creative writing, dance, drama, technical art, practical music or composition.

The *Elizabeth Babcock Poetry Prize* fund of \$2500, established by Miss Edith L. Jarvis 1909 in memory of Elizabeth Babcock ex-1911. The income is to be awarded annually for the poem adjudged best by a committee appointed by the Department of English. The competition is open to all undergraduates except those who have already won the prize; the poem submitted may not have been printed previously.

The *Harriet Dey Barnum Memorial Prize* fund of \$300, founded by the Class of 1916, the income to be used for outstanding work in music.

The *Suzan Rose Benedict Prize* fund of \$1085.47, the income to be awarded at the discretion of the Department of Mathematics to a Freshman or Sophomore who has done outstanding work in differential and integral calculus, the decision being made by the Department.

The *Samuel Bowles Prize* fund of \$2002.69, the income to be awarded to a Senior for the best thesis on a sociological or economic subject.

The *John Everett Brady Prize* fund of \$2000, the income of which is awarded for excellence in translating Latin prose and verse. A special examination is set in the spring.

The *Margaret Wemple Brigham Prize* fund of \$850, established in her memory by friends and associates of the Division of Laboratories and Research of the New

York State Department of Health, the income to be awarded to a Senior for excellence in bacteriology.

The *Amey Randall Brown Prize* fund of \$2000, given by Miss Mabel Brown 1887 in memory of her mother. The income is to be used as a prize for the best essay on a botanical subject.

The *Vera Lee Brown Prize* fund of \$1000. On recommendation of the Department of History the income is awarded for excellence in that subject to a Senior majoring in history in the regular course.

The *Yvonne Sarah Bernhardt Buerger Prize* fund of \$5000, the income to be awarded to the undergraduate who has contributed most vitally to the dramatic activities of the College.

The *James Gardner Buttrick* fund of \$1000, given by Mrs Buttrick in fulfillment of her husband's wish, the income to be used for a prize for the best essay on a subject in the field of religion and Biblical literature suggested by a course in that Department and approved by the instructor.

The *Julia Harwood Caverno Prize* fund of \$2000, the income of which is given to an undergraduate for proficiency in Greek language and literature to be tested by an examination upon an assigned portion of Greek literature: in 1950, the *Odyssey*, Books V and VI; in 1951, the *Alcestis* of Euripides.

The *Sidney S. Cohen Prize* fund of \$2500, the income to be awarded at the discretion of the Department of Economics.

The *Dawes Prize* fund of \$1898.57, the income to be awarded for the best undergraduate work in political science.

The *Alice Hubbard Derby Prize* fund of \$2555.34, the bequest of Mr Henry R. Lang in memory of his wife, a member of the Class of 1885. The income is to be used for prizes awarded by the Classics Department to students of the Junior and Senior classes who have shown special proficiency in the study of Greek literature in the original in the year in which the awards are made.

The *Hazel L. Edgerly Prize* fund of \$500, founded in memory of Hazel Louise Edgerly 1917, the income to be awarded on the recommendation of the Department to a Senior in Honors in history for distinguished work in that subject.

The *Settie Lehman Fatman Prize* fund of \$5000, the income to be awarded for the best musical composition preferably in sonata form by a member of the Senior class or a Graduate Student who is taking Music 42 or Special Studies in Composition.

The *Henry Lewis Foote Memorial Prize* fund of \$500, given by his wife, Harriett Risley Foote 1886, the income to be awarded for excellence in classwork in the Biblical courses, 11, 25a, 26a, 27a and b, 36a, 39a.

The *Clara French Prize* fund of \$5000, founded by Mrs Mary E. W. French, the income to be given to that Senior who has advanced farthest in the study of English language and literature.

The *Helen Kate Furness Prize* fund of \$1000, founded by Horace Howard Furness, the income of which is given for the best essay on a Shakespearean theme.

There is no restriction on the length of the essays, but in general they are not to be shorter than 4000 nor longer than 10,000 words. The competition is open to all undergraduates. The subject for 1950-51 is, "Sleep and Dreams: Their Implications in Shakespeare." For 1951-52 the subject is, "The Theme of Government in Shakespeare's Plays."

The *Sarah H. Hamilton Memorial Prize* fund of \$2000, given by her sister Mrs Julia H. Gleason, the income to be awarded for an essay on music.

The *Arthur Ellis Hamm Scholarship Prize* fund of \$5000, founded by Elizabeth Creevey Hamm 1905 in memory of her husband, Captain Arthur Ellis Hamm, the income to be awarded to a Freshman on the basis of the year's record.

The *Frances A. Hause Memorial Prize* fund of \$1000, founded in memory of Frances A. Hause 1922, the income to be awarded to the Senior who has majored in chemistry and has made the best record in that subject.

The *Mary Augusta Jordan Prize*, consisting of a replica in bronze of the medal given to Miss Jordan in 1921 by the alumnae, is awarded by them through the prize committee of the English Department to a Senior for the most original piece of literary work in prose or verse composed by her at any period of her undergraduate course in Smith College. No restriction is made as to subject, style, or length; and the composition may have formed part of the requirements of college study or have been already printed.

The *Florence Corliss Lamont Prize*, a medal to be awarded for work in philosophy.

The *Emogene Mahony Memorial Prize* fund of \$500, founded by Miss Ethel Haskell Bradley 1901, the income to be given for proficiency in organ.

The *Samuel Michelman Memorial Prize* fund of \$500, given in his memory by his wife, the income to be awarded to a Senior from Northampton or Hatfield who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Mrs Montagu Prize* fund of \$400, founded by Mrs Abba Louisa Goold Woolson in honor of Mrs Elizabeth Montagu, the income to be awarded for the best essay on the women of Dr Johnson's time.

The *Victoria Louise Schrager Prize* fund of \$2000, given in her memory by her family and Miss Marjorie Hope Nicolson, the income to be awarded annually to a Senior who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Andrew C. Slater Prize* fund of \$1000, the income of which is awarded to an undergraduate for excellence in debate.

The *Frank A. Waterman Prize* fund of \$335, the income to be awarded to a Senior who has done excellent work in physics.

1950 Awards

PRIZES

- Alpha Awards*: creative writing, Emily Lothian Rockwood 1950; dance, Miriam Schoenberger 1950; drama, Elizabeth Anne de Coursey 1950; technical art, Jacqueline Jeanne Brown 1950; practical music, Carol Joyce 1950.
- Elizabeth Babcock Poetry Prize*: Patience Mather Cleveland 1952.
- Suzan Rose Benedict Prize in Mathematics*: Elizabeth Ann Powell 1952.
- Samuel Bowles Prize*: divided between Gabriele Lucie Abraham and Caroline Alice Thayer, 1950.
- John Everett Brady Prize in Latin*: Virginia Grace Quick 1951.
- Margaret Wemple Brigham Prize in Bacteriology*: Helen Gibbs Bennett 1950.
- Amey Randall Brown Prize*: Nancy Ruth Sproul 1951.
- Vera Lee Brown Prize in History*: Carolyn Jane Proctor 1950.
- Yvonne Sarah Bernhardt Buerger Prize in Dramatics*: Divided among Shirley Ann Bisselle, Virginia Lois Brock, Sara Jill Cummins, Marion Esta Davis, and Elizabeth Anne de Coursey, 1950.
- James Gardner Buttrick Prize*: Joan Esther Gregory 1950.
- Julia Harwood Caverno Prize in Greek*: Ann Elizabeth Pierce 1950.
- Sidney S. Cohen Prize in Economics*: Gabriele Lucie Abraham 1950.
- Dawes Prize in Political Science*: Divided between Judith Carol Baron and Mary Elizabeth Sanger, 1950.
- Alice Hubbard Derby Prize in Greek*: Elaine Maria Damaskos 1951.
- Hazel L. Edgerly Prize in History*: Edith Frances Anderson 1950.
- Settie Lehman Fatman Prize in Music*: Olga Gratch, Graduate Student.
- Henry Lewis Foote Memorial Prize in Religion*: Mary Alice Linen 1951.
- Clara French Prize in English*: Martha Norton Farrar 1950.
- Sarah H. Hamilton Memorial Prize*: Divided between Gloria Rochelle Berk and Beryl Ada Pinckney, 1950.
- Arthur Ellis Hamm Scholarship Prize*: Joanne King Berresford 1953.
- Frances A. Hause Memorial Prize in Chemistry*: Divided between Elaine Julia Kobylanski and Grace Lechner Smith, 1950.
- Florence Corliss Lamont Prize in Philosophy*: Elizabeth Henderson Rasweiler 1950.
- Emogene Mahony Memorial Prize in Organ*: Gloria Elena Pasquini 1950.
- Samuel Michelman Memorial Prize*: Mary Elizabeth Doyle 1950.
- Phi Beta Kappa Prize*: Doris Jean Stewart 1950.
- Victoria Louise Schrager Prize*: Doris Jean Stewart 1950.
- Sigma Xi Plaque*: German House.
- Andrew C. Slater Prize*: Divided between Selma Joy Pierson 1951 and Jane Thomson 1950.
- Frank A. Waterman Prize in Physics*: Divided between Joan Mencher Frosch and Lesley Chapman Gerould, 1950.

FIRST GROUP SCHOLARS

(These include the DWIGHT W. MORROW, the NEILSON, the WILLIAM ALLAN NEILSON, the SOPHIA SMITH Scholars, as well as the MIAMI SMITH CLUB Scholar and the NEW YORK SMITH CLUB Scholar.)

CLASS OF 1951

Elizabeth Anne Bergen	Elizabeth Heaton	Mary Osgood
Margaret Bond	Lee Hilles	Cornelia Peek
Edith C. Clarke	Kay E. Kaufman	Ann Putzki
Judith S. Cousins	Gloria Kelminson	Ann Schafer
Isabelle Crocker	Thalia Kennedy	Liebe Sokol
Lore Dinkelspiel	Ruth Betty Knapp	Katharine Spahn
Abigail Dittmann	D. Jean Koontz	Rosamond Stephenson
Elizabeth Dodson	Doris Kraeling	Hannah Todd
Mary Grace Eames	Judith Levenson	Susan Tracy
Paula Eldot	Lyle Lobel	Isabel Tryon
Mary Janice Elwood	Blythe McVicker	M. Renee Value
Marjorie Ann Flory	Elizabeth Marty	Evelyn Weissmann
Margaret Ann Foster	Diana Mason	Ann Whittlesey
Jocelyn C. France	Nancy Mazur	D. Elizabeth Wilson
Mary Ann Freedman	Sara Miller	C. Priscilla Yates
Elaine Goodman		

CLASS OF 1952

Mary Allison	Edith Fitzhugh	Elizabeth Marbury
Judith Ball	Clara Garth	Nancy Morse
Anne Bissell	Olive Gibson	Virginia Plews
Virginia W. Bliss	Lois Goldberg	Elizabeth Powell
Edith Bramwell	Mary Ellen Greenfield	Natalie Samper
Lucy Briggs	Sally Griess	Janet Schuck
Harriett Burnett	Janice Hartman	Marta Teilhet
Barbara Crosby	Marjorie Hecht	Jean Tomlinson
F. Joan Eckhardt	Eleanor Herman	Sheila Wharton
Barbara Eskridge	Doris Jaffin	Lucy Worcester
Carol Feinberg	Patricia Kelley	

CLASS OF 1953

Joyce Backus	Karel Fierman	Josephine Routheau
Joanne Berresford	Hannah Glauber	Parvin Saidi
Carol Blumenthal	Betty Goldsmith	Marcia Schmid
Marcia Bourn	Joan Hauser	Margaret Shook
Mary Jane Butler	Diana Haynes	Barbara Stevens
Lucy Dayton	Georgiana Homer	Jane Sweet
Anne Drye	Julie Jones	Diana Taylor
Patricia Dworski	Marcia Lontz	Joan Throckmorton
Judith Feldbaum	Ruth Mortimer	Grace Woodbury

DEGREES

A.B.

Jean Ramsay Adams
 Jewel Adler
 Vinnie Marie Aguanno
 Salwa Ibrahim Akrawi
 Johanna Baird Albrecht
 Constance Patricia Allen
 Janet Page Alpers
 Lila Diana Altman
 Cornelia King Ames
 Barbara Louise Anderson
 Cynthia Elizabeth Anderson
 Sally Nan Anderson
 Helen Richardson Andrew
 Rita Harriet Arky
 Mary-Louise Aspinwall
 Patricia Atwood
 † Helen Rose Axelrod
 Patricia Stuart Bach
 Joan Bader
 Sarah Ann Bagby
 Mary Laird Bailey
 Ruth Ellen Bailey
 Joan Joy Baker
 Phyllis Edyth Baker
 Helen Bennett Bardeen
 Jean Bates
 Virginia Wetmore Beaven
 Sarah Anne Beede
 Frances Cheyney Beekley
 Barbara Jacqueline Bell
 Nancy Seidel Bell
 * Corinne Speck Benson
 Marie Therese Bergeron
 * Gloria Rochelle Berk
 Estelle Ethel Berman
 Patricia Ann Berry
 Sylvia Julia Berry
 Nancy Betteridge
 Christine Williams Biddle

Nancy Birnbaum
 Mary Willette Bishop
 Shirley Ann Bisselle
 Maureen Moore Black
 Betty Leota Blaw
 Ann-Louise Bleibtreu
 Mary Hallock Bliss
 Louise Deborah Bloch
 Beverly Ann Bloomberg
 Nancy Ann Boeschstein
 † Virginia Margaret Bogert
 Judith Frances Boland
 Charlotte Marjorie Bond
 Carroll Le Sueur Bounds
 Isabel Whitla Braham
 Virginia Lois Brock
 Beverly Ferne Bronstein
 Betty Jane Brost
 Martha Broughton
 Jacqueline Jeanne Brown
 Barbara Ann Buell
 Elizabeth Winslow Buell
 Besobrasow
 Shelley Priscilla Bull
 Audrey Bushnell
 Patricia Bradford Butler
 Selma Buyer
 Elizabeth Mary Campbell
 Lois Cydney Campe
 Marjorie Alice Canfield
 Marilyn Lee Cannon
 Carolyn Lothrop Carrier
 Nancy Carter
 Elisabeth Jane Caswell
 Elizabeth Cheney
 Martha Ann Churchill
 Doris Antoinette Ciaschini
 Marguerite Taliaferro Clarke
 Aileen Beverly Classon

* Elected to Phi Beta Kappa

† Elected to Sigma Xi

- Martha Hopkins Cochrane
 Mary Katherine Colean
 Margaret Ann Collins
 Amy Comins
 Mary Fleming Coughlin
 Mary Margaret Cowen
 † Hope Craig
 Ruth Croog
 Dorothy Irving Crossley
 Sara Jill Cummins
 †* Elizabeth Marie Curth
 Fay Dabney
 Margaret Elizabeth Dailey
 Dorothy Wendell Davis
 Marion Esta Davis
 Shirley Rowan Dawson
 Ujjala Deb
 Mary de Coningh
 Elizabeth Anne de Coursey
 Jane Deringer
 Jeanne Alice Dewey Swan
 Marguerite Ramsdell Dixon
 Jane Katherine Downing
 Barbara Virginia Doyle
 Mary Elizabeth Doyle
 Phyllis Cecile Dragon
 Henrietta Driver
 Margaret Frances Drucker
 Alison Margaret Duff
 Margaret Thompson Eaton
 Carolyn May Ebberts
 Eleanor Ruth Echikson
 Judith Brumley Eckart
 Barbara Warner Ellis
 Mary Quinn Ellis
 Jean Taylor Elmer
 * Lucy Jefferson Elmer Balise
 Frances Jean Elson
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 Shari Ruth Evans
 Barbara Susan Eydenberg
 Ruth Lee Fanger
 * Martha Norton Farrar
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 Ann Fuller Field
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 Maureen FitzGerald
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 Shirley Foltz
 Janet Margaret Forbes
 Marjorie Forbes
 Audrey Frances Ford
 Eleanor Forsyth
 Virginia Frances Forte
 Marie Lise Fowler
 Betsey Fenn Franklin
 Fleta Anne Frazier Metcalf
 Alice Elizabeth French
 Polly Loomis French
 Ruth Dorothy Friedman
 Louise Ormsbee Gale
 Lucy Alexander Gay
 †* Lesley Chapman Gerould
 Marilyn Harriet Gier
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 Karen Gilman
 Mildred Gingold
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 Ginger Gordon
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 †* Anne-Marie Goddard Hall
 Janice Gail Hall
 Jo Ann Hall
 Mary Elizabeth Halsey

- Ann Harriet Harlow
 Jane Courtney Harper
 Joan Harris
 Mary Elizabeth Harris
 Anna Fisher Hart
 Lois Sands Hart
 Eda Jessa Harvey
 Jane Harvey
 Jeanne Marilyn Hasckel
 Mimi Hawkins
 Barbara Heebner
 Rosalie Ewry Heffelfinger
 Anne Poyntell Held
 Dolly Hemphill
 Hope Calhoun Hemphill
 Caroline Hendren
 Eunice Cynthia Hertzmark Gross-
 man
 Elinor Joel Heyman
 Marion Rita Heyman
 Margaret Mary Hickey
 Andrea Douglas Hill
 Carol Taylor Hoadley Coburn
 Phebe Curtis Hofford
 Martha Holloway
 Marion Homer
 Carol Hopkins
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 Jean Anne Hudson
 Joan Rockwell Huse
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 Rosemary Helena Jacobs
 Mary Ann Jacobson
 Mary Hand Jayne
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 Sue Louise Kalischer
 * Meta Joyce Kaplan Kirschbaum
 Marian McNair Karns
 Nancy Louise Kasden
 Margaret Jeanne Keller
 Mary Jane Keniry
 Lilith Kennedy
 Margaret Ann Kennedy
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 Sarah Suzanne Kiger
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 Mary Elizabeth Klumpp
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 † Elaine Julia Kobylanski
 Vivian Ruth Kopp
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 Jean Katharine McGrady

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 Cordelia Elizabeth Bingham Mac-
 Pherson
 Darinka Macuka
 Barbara Jordan Malm
 Mary Elizabeth Manning
 Yolanda Iola Marquez Torres
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 Madeline Rose Martin
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 Nancy Jane Maule
 Joan Dorothy Maust
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 Diane Elaine Mellish
 Vera Lina Mendelsohn
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 Mary Ellen Miara
 Bernice Natalie Miller
 Marilyn Carol Miller
 Carolyn Jean Minner
 Jane Kendall Moore
 Irene Mary Mordas
 Sheila More
 Agnes Therese Morel
 Sally Elisabeth Morss
 Elizabeth Morton
 Ann Moulton
 Barbara Ellen Moyer
 Mary Lind Jane Mulder
 * Mary Adelaide Muller
 Sarah Martha Murdock
 * Jean Claire Murphy
 Jean Wilmer Musser
 Anne-Marie Myrstad
 Claire Mary Nader
 Regina Arline Nehmer
 Phyllis Louise Neipris
 Janet Lester Neville

Margaret Miller Nickerson
 Martha Baker Nixon
 Nancy Ann Norton
 Patricia Anne Norton
 Virginia Norton
 Mary Elizabeth Ockenden
 Marie Louise Oftedal
 Diane Opley
 * Ellen Charlotte Oppler
 * Estelle Shari Ostow
 Cynthia Anne Owen
 Joanne Margaret Palmer
 Virginia Whiteford Palmer
 Amey Elizabeth Pancorbo
 Patricia Ann Papert
 Patricia Marie Parcher
 Margaret Parkhurst
 Marie Carmela Pascucci
 Molly Curran Peck
 Jeanne Marie Perdue
 Nancy Murray Perkins
 Jacqueline Juliet Perry
 Yvonne Mary Peters
 Nancy Ann Peterson
 Ann Elizabeth Pierce
 Beryl Ada Pinckney
 Sheila Pinkham
 Elaine Sara Pomerantz
 Rosalie Ann Poriss
 * Frances Squire Potter
 Sally Jean Power
 Carolyn Jane Proctor
 Nancy Louise Purtell
 Julie Harriet Pyle
 Martha Jo Raad
 Mary Elvira Ravlin
 Sara Inglis Ray
 Mary Rosmond Rector
 Ruth Yvonne Renaux
 Lois Helen Rentsch
 Lois Ann Reville
 Mary Rockwell Reynolds
 * Sarah Bell Reynolds
 Nancy Elena Riford

- Constance Curran Ritchie
 Diana Roberts
- * Kate Foster Robertson
 Dorothy Sutton Robinson
 Hannele Merrill Robinson
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 Corinne Rogers
 Rosamond Wainwright Rogers
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 Samuella Brown Rose Etnier
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 Doris Ann Rosenthal
 Eleanor Ann Rosenthal
 Dorothy Evelyn Ross
 Charlotte Finn Rothberg
- * Phyllis Rotner
 Joanne Roush
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 Mary Ann Ruse
 Jean Marie Russell
 Patience Russell
 Sally Christie Rutherford
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 Elizabeth Baxter Sayford
 Joan Wolverton Schelling
 Mary Brett Schenck
 Lucille Kathryn Schill
 Jane Bradley Schiller
 Miriam Schoenberger
 Barbara Franc Schulz
 Carolyn Susan Schwartz
 Catherine Clemens Scott
 Joan Kirk Scripture
 Katharine Scofield Semon
 Thelma Lenore Sesser Frank
 Hannah Adel Shabshelowitz
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- * Florence Shir
 Anne Hastings Shreve
 Chialeen Judith Simon
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- Judith Potter Smith
 Lucia Mary Smith
- * Peggy Diane Smith
 Hannah Mathilda Snider
 Patricia Brigham Southgate
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 Joan Mercedes Spaulding
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 Juliette Gay Staats
 Margaret Grace Stair
 Frances Ann Staubus Middleton
- * Lydia Goodwin Steinway
 Harriet Armstrong Sterling
 Virginia Bianca Sternheimer
 Gladys Pomeroy Stevens
- †* Doris Jean Stewart
 Rae Storer
 Carol Anne Straka
 Sarah Alice Strong
 Shirley Lou Stugard
 Cary Sutherland Sturges
 Sheila Elizabeth Sweeney
 Cicely Ellsworth Taylor
 Elizabeth Carleton Thomas
 Sarah Goodwin Thompson
 Jane Thomson
 Lillias Gilroy Thomson
 Virginia Ruth Thomson
 June Thorndike
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 Eleanor Woodson Towles
 Janet Sherman Trowbridge
 Joan Tunstall
 Rita Jane Turino
 Ann Elizabeth Vail
 Eleanor Colton Vaughan
 Alice Seymour Vincent
 Martha Alden Vose
 Mary Sherman Walbridge
 Phyllis Glahn Waldorf
 Anne Allerton Ward
 Suzanne Warner
 Sally Russell Watters

Penelope Nesta Weadock
 Ann Elisabeth Webster
 Alexandra Weinstein
 Adrienne Weisberg
 Suzanne Patricia Weisberg
 Rhoda Marilyn Wellins
 Mary Louise Wentworth
 Elizabeth McLeod Whelden
 Roxane Hopkins Whelden
 Carol Alice Wilcox
 Cynthia Edwards Williams
 Virginia Lettice Williams
 Joan Willson

Jean Louise Wilmot
 Eulalie Helen Woleben
 * Elinor Jane Wolfe
 Adele Wolfson Plapinger
 Cyra Rona Wolpert
 Jean Virginia Wood
 Charlotte Reed Woodbury
 Joan Story Wright
 Elizabeth Mitchell Wuerth
 Caroline Foster Wyeth
 Susan Josephine Yankauer
 Ina Linda Ziff
 Helene Zimmermann

HONORS

Cum laude

Mary Glenair Brandt (*Music*)
 * Greta Emmeline Brockhausen
 (*English*)
 Patricia Jane Collins (*English*)
 Ann Catherine Colwell (*Religion*)
 * Karla Davidson (*Government*)
 Bernice Barbara Evans (*Music*)
 * Phyllis Joan Freeman (*English*)
 Caroline Gassner (*English*)
 * Esta Ruth Greenberg (*German*)
 Nancy Speer Jones (*History*)
 Carol Joyce (*Music*)
 Paula Lorraine Kairys (*Economics*)
 Zoann Little (*English*)
 Margaret Stevenson Lynch (*Government*)

Constance Ruth Marantz (*Music*)
 * Joan Shepard Miller (*History*)
 Ruth Carrington Noe (*English*)
 Gloria Elena Pasquini (*Music*)
 * Sarah Judith Sanborn (*History*)
 Deborah Benjamin Spoot (*Economics*)
 Cynthia Livingston Waterbury
 (*Government*)
 Esther Angelica Weiss (*Bacteriology*)
 Ruth Werlin (*Government*)
 Nancy Carol Wolfner (*History*)

Magna cum laude

* Gabriele Lucie Abraham (*Economics*)
 * Edith Frances Anderson (*History*)
 † Helen Gibbs Bennett (*Bacteriology*)
 * Stefanie Dorothea Blank (*English*)
 Sylvia Claire Frolich (*Premedical*)
 Hester Vanneman Goodenough
 (*History*)
 * Elizabeth Patricia Henderson Rasweiler (*Philosophy*)

* Anna Maria Herbert (*History*)
 Elaine Pembroke Loeffler (*Art*)
 †* Joan Phyllis Mencher Frosch
 (*Physics*)
 * Ursula Grete Orth (*Psychology*)
 * Mary Eleanor Sanger (*Government*)
 * Dorothy Rouse Street (*Sociology*)
 Caroline Alice Taylor (*Sociology*)

*Summa cum laude** Judith Carol Baron (*Government*)* Edith Sumner Campbell (*French*)*A.B. CLASS OF 1951 (ACCELERATED)*

Trude Frederick

*A.B. AS OF THE CLASS OF 1949, CUM LAUDE*Margaret Tolman Lyons Ford (*American Studies*)

CERTIFICATE OF GRADUATE STUDIES

HLA MAE, B.A. 1946 and M.A. 1949 University of Rangoon. (*English*)MADELEINE MARIE-JOSÉ POIRIER, Lic. ès L. 1947 and Diplôme d'Études Supérieures 1949 University of Grenoble. (*English*)MARTA STELLA SOLARI, Profesora de Inglés y Castellano 1945 Universidad Nacional de Cuyo. (*English*)

M.S. IN PHY. ED.

FRANCES POWELL BINION, B.S. 1948 Georgia State College for Women.

GLORIA FLORENCE BRYANT, B.S. in Phy. Ed. 1946 Boston University.

ERNA HARI CAPLOW, A.B. 1948 Brooklyn College.

MARTHA COLEMAN MYERS, B.S. in Social Science 1947 Richmond Professional Institute of the College of William and Mary.

INÊS NOVAES ROMÉU, Professora de Educação Física 1939 Escola Nacional de Educação Física.

JOAN BARBARA PARK, Diploma in Physical Education 1945 University of Queensland.

RUTH ELEANOR SPEAR, B.S. in Phy. Ed. 1948 Boston University.

RUTH ARLENE SWEZEY, B.S. 1945 University of Wisconsin.

HELEN LUCILLE WAGNER, B.Sc. in Edu. 1946 Ohio State University.

GRACE LOIS WEBSTER, B.S. in Ed. 1947 Tufts College.

BESSIE LOUISE WOOD, A.B. 1948 Heidelberg College.

Ed.M.

VIRGINIA DOROTHY ALDEN, A.B. 1945 Mount Holyoke College.

JANICE RAE BROWN, A.B. 1947 Smith College.

CHIA-LING CHANG, A.B. 1948 Smith College.

MAE ELIZABETH CONWAY, A.B. 1943 College of New Rochelle.

PAULINE POI YING HEE, B.S. in Ed. 1949 Muskingum College

† DOROTHY ANNE MACHEAL, A.B. 1948 Goucher College.

A.M.

- MARY ANN AIKEN, B.S. 1948 Georgia State College for Women. (*Bacteriology*)
- ELEANOR RUTH ANT, A.B. 1948 Brooklyn College. (*Education and Child Study*)
- MARJORIE LOUISE BONSTEIN, A.B. 1947 Smith College. (*Theatre*)
- LORE BRAVMANN, A.B. 1949 Hunter College of the City of New York. (*French*)
- BARBARA ANN BUCKLEY, A.B. 1949 Boston University. (*Spanish*)
- VIRGINIA ROBERDEAU CALLERY, A.B. 1949 Smith College. (*Zoology*)
- * NANCY LOUISE CARTER, B.S. 1946 Saint Joseph College (*Education and Child Study*)
- PRISCILLA ELIZABETH DATTMAN, A.B. 1948 Wheaton College. (*Psychology*)
- MAYA DEB, B.A. 1948 Indraprastha College. (*Education and Child Study*)
- AUDREY PRISCILLA FARROW, A.B. 1948 Wheaton College. (*Zoology*)
- BARBARA JEANE FIENEMANN, A.B. 1948 Bates College. (*Zoology*)
- ELEANOR FITZPATRICK, A.B. 1919 Smith College. (*Education and Child Study*)
- ANITA GORE, A.B. 1947 Smith College. (*Physics*)
- OLGA GRATCH, B.M. 1943 Immaculata College; Mus. B. 1948 Yale University. (*Music*)
- MARJORIE TOWER JOHNSON, A.B. 1947 West Virginia University. (*Sociology*)
- SONYA ALICE JOHNSON, A.B. 1948 Clark University. (*Chemistry*)
- MERLE INEZ LATHROP, A.B. 1948 Colby College. (*Zoology*)
- DOROTHY WOOD LOOMIS, B.A. 1948 Wells College. (*Chemistry*)
- HELEN ANN LUND, B.A. 1947 University of Washington. (*English*)
- DORIS GEORGEENE MORRIS, A.B. 1948 Boston University. (*English*)
- ROBERTA FRASER MORRIS, A.B. 1949 New Jersey College for Women. (*History*)
- JANET KATHERINE NEESHAM, A.B. 1949 University of Pittsburgh. (*Spanish*)
- LUCILLE VALENTINE OAKLANDER, A.B. 1949 Cornell University. (*English*)
- MARION RITA PANGBORN, B.S. in Ed. 1948 Potsdam State Teachers College. (*Music*)
- TAMAH LICHTERMAN SADICK, A.B. 1948 Smith College. (*Zoology*)
- CARMELA MARIE SANTARSIERO, B.A. 1949 University of Connecticut. (*Bacteriology*)
- MARILYN SAWYER, B.S. 1948 Jackson College. (*Botany and Plant Genetics*)
- RUTH CULLEN SHEA, B.S. 1948 University of Massachusetts. (*Chemistry and Physics*)
- MADELINE SHERMAN, A.B. 1946 Smith College. (*English*)
- ELISABETH CECELIA STADULIS, A.B. 1948 Barnard College. (*Government*)
- HELEN WEN-CHUAN WONG, B.A. 1948 St John's University (Shanghai). (*Education and Child Study*)
- DEANE ALLEN WORTH, A.B. 1948 Bennington College. (*Theatre*)

† With distinction.

* As of 1949.

*HONORARY DEGREES***A.M.**

KATHARINE ASHER ENGEL
ELIZABETH SKINNER JACKSON

Sc.D.

GLADYS AMELIA ANSLOW
MARGARET ARNSTEIN
HYLA STOWELL WATTERS

LITT.D.

MARY KIMBERLY SHIRK

L.H.D.

FLORENCE WHITNEY FOSDICK
MOTHER MARY JOSEPH

LL.D.

OTELIA CROMWELL
CLARA MURPHY TEAD

SCHOOL FOR SOCIAL WORK DEGREES*AUGUST, 1950***M.S.S.**

CHARLOTTE ABRAMSON, A. B. 1946 Queens College.
PAULINE RAE AVERILL, B. S. 1946 University of New Hampshire.
PATRICIA ANN BALL, B. A. 1948 University of Minnesota.
BAPAI MANCHERSHA BATLIWALLA, B.A. 1941 and M.A. 1943 University of Bombay.
LORETTA CUSICK CHAPMAN, A.B. 1943 and A. M. 1946 Ohio University.
LILLIAN KILBURY COLSON, B. of Ed. 1947 New York State Teachers College
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ALICE WILHELMINA MACQUEEN COX, B.S. 1941 Northwestern University.
MARIE ISOBEL CRAIG, B.A. 1945 and B.S.W. 1946 University of British Columbia.
MURIEL ANNIE CUNLIFFE, B.A. 1931 and B.S.W. 1948 University of British Columbia.
BETTY JANE CURRY, B.A. 1942 Alfred University.
MARY FRANCES TURNER DARST, B.S. in Ed. 1938 Madison College, M.S. in Social
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KATHERINE MARIA DILLON, A.B. 1936 Marymount College.

- ELAINE M. DORFMAN, A.B. 1944 University of Pennsylvania.
NANCY ELIZABETH EDDISON, B.A. 1948 Russell Sage College.
GEMMA MARGARET FIORILLO, A.B. 1947 Hunter College of the City of New York.
LORRAINE MAE GORMAN, A.B. 1945 De Paul University.
ELLEN FRANCES ISAACS HELFGOTT, A.B. 1948 Miami University.
ERLINE HOLMES, B.S. 1948 New York University.
MARY BERNICE HORTON, B.A. 1931 University of Wisconsin, A.M. 1933 University of Illinois.
BARBARA STARR PETTEE KOVAR, A.B. 1944 Smith College.
BARBARA LANE, B.S. 1947 Columbia University.
SHIRLEY MEYER, A.B. 1945 Brooklyn College.
MARJORIE LOUISE MORGAN, A.B. 1946 Howard University.
MARY ELIZABETH NORTON, A.B. 1946 University of North Carolina.
CAROL MARY O'CONNOR, A.B. 1945 Smith College.
ELINOR RUTH ORGEL, A.B. 1948 Brooklyn College.
LOUEVA FAUNEIL PFLUEGER, A.B. 1948 Midland College.
MARION ANDREE PLANT, M.A. 1941 University of St. Andrews.
MARY ELIZABETH RINK, B.A. 1947 Mills College.
DOROTHY ANN RUSHFORD, B.S. 1948 Saint Joseph College.
MARTHA REYNOLDS SHERWOOD, B.Sc. in Soc. Adm. 1946 Ohio State University.
MARY ELEANOR SLIMP, A.B. 1948 University of Cincinnati.
VESTA MAY STEVENS, A.B. 1945 University of Vermont.
FLORENCE TABER BRESLIN THOMPSON, A.B. 1939 Radcliffe College.
JOAN THURSTON, A.B. 1948 University of Rochester.
KATHERINE ELIZABETH TURNEY, B.A. 1923 University of Wisconsin.
RUTH ANNETTE WALDRON, A.B. 1945 University of California at Los Angeles.
CONSTANCE AVENA NELSON WALKER, A.B. 1945 Gustavus Adolphus College.
PATRICIA ALICE McMAHON WALLACE, A.B. 1933 and M.A. 1940 University of Hawaii.
GRACE PARKER FOLLETT WEAVER, B.A. 1935 University of Wisconsin.
MARY VIRGINIA WEBB, A.B. 1945 Western Maryland College.
HELEN WHITE, A.B. 1930 Hunter College of the City of New York.

Smith College School for Social Work

THE STAFF

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ELEANORE WEIDHAAS CAREY

Director Social Casework and Administration

Associate Director Social Casework

Editor of Smith College Studies in Social Work

Executive Secretary and Registrar

Secretarial Assistant

Secretarial Assistant

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SUSAN F. YOCOM, M.S.S.

JENNIE MOHR, PH.D.

BERTRAM M. BECK, M.S.

NORMAN A. POLANSKY

Supervisor of Field Work Social Casework

Supervisor of Field Work Social Casework

Supervisor of Field Work and Social Research

Supervisor of Social Research

Supervisor of Social Research

Supervisor of Social Research Group Work

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MIRIAM P. HART, M.S.S.

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ALFRED J. KAHN, M.S.

OTHILDA KRUG, M.D.

JOHN C. LEONARD, M.D.

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JAMES MANN, M.D.

DOROTHY D. MUELLER, M.S.S.

GRACE K. NICHOLLS, M.S.S.

VIOLA PARADISE, PH.B.

ELIZABETH P. RICE, M.S.

IRMA RITTENHOUSE, A.B.

ROBERT A. YOUNG, ED.D.

Casework Supervision

Clinical Psychology

Public Welfare

Administration

Cultural Studies

Research and Community Organization

Child Psychiatry

Medicine

Law

Psychiatry

Social Casework

Social Casework

Public Relations

Social Aspects of Medicine

Economics

Psychiatry

ORGANIZATION OF THE SCHOOL

The Smith College School for Social Work was organized in 1918 as a graduate school in which to prepare psychiatric social workers for the war emergency. During 1918 and 1919 an intensive course of theory and a period of supervised practice were given to those who were graduated. These at once found their places in hospitals and social agencies. It was soon recognized that an approach to problems of social maladjustment through an understanding of the personalities involved was valid for every form of social casework. The Smith School therefore continued after the war emergency as a graduate professional school of social work and became a charter member of the American Association of Schools of Social Work.

The first decade of the growth of the School corresponded to the period when the mental hygiene movement was enlarging its scope to include not only the better care of cases of mental illness and mental defect, but prevention of delinquency and the development of child guidance clinics. Psychiatric social workers were eagerly sought for the casework staffs of hospitals and community clinics and to carry preventive mental hygiene into courts, schools, and the public services. Social casework is a professional service which requires scientific knowledge and disciplined skill. Competent practice calls for the exercise of judgment and discretion.

EDUCATIONAL PLAN

The educational plan of the Smith College School for Social Work is based on the premise that there is a basic core of knowledge and skill in social work which transcends the specializations. The educational program is so planned as to offer sound orientation in the broad aspects of social work and the development of professional competence in the practice of social casework. Graduates are prepared to hold casework positions in a wide variety of private and public agencies and to advance to supervisory and administrative responsibilities.

Classroom Instruction

Academic study is designed to provide such knowledge from the disciplines of medicine, psychiatry, psychology, law, and the social sciences as is required for the practice of social work. The courses in the methods of social casework integrate this factual knowledge and develop the principles and skills inherent in practice. Other courses in the broad field of social work cover theory and method in such areas as public welfare, child welfare, group work, administration, and community organization. Basic considerations in carrying on research in social casework are reviewed in a course that serves as an introduction for individual work on a thesis.

In order to carry out this educational policy the curriculum consists of a relatively few units of instruction covering basic areas rather than being broken up

into many elective courses. For example, the basic course in public welfare aims to develop a sound comprehension of the scope and objectives of the field and to give a working knowledge of the varied individual programs on the federal, state, and local levels as they operate to meet the total needs of individuals. In the same way the casework courses demonstrate the application of casework principles in family casework, child welfare, psychiatric social work, and medical social work.

Courses offered in any one term are planned as a sequence and to achieve a total integration. Emphasis is placed on the discussion rather than the lecture method of teaching in the endeavor to train for independent and resourceful thinking. The educational process is strengthened by the fact that all the students live together on the campus of Smith College during the summer session and thereby are encouraged in continuous group thinking, mutual criticism, and discussion of the problems in the field of social work.

Field Instruction

Field work is an integral part of the curriculum, and academic credit is given for it. Students are assigned to agencies in small groups for a long and continuous practice period. This enables the student to become a participating member of the agency and community, and furthers the development of a professional attitude and point of view. Responsible participation under guidance during the field work gives opportunity to develop competence and self-reliance in casework practice.

Thirty-five agencies in twenty cities are affiliated with the School. These are located in large urban centers such as Community Service Society in New York, Judge Baker Guidance Center in Boston, and in smaller communities, thereby providing contrasting experience in the two winter field placements. Students are placed under a supervisor who is highly qualified as practitioner and teacher. Members of the staff, administrators, consulting psychiatrists, and research specialists participate in the educational program. These factors assure good theoretical teaching as well as the acquisition of sound and skillful methodology.

Carefully selected and supervised reading is assigned to supplement and enrich the practice period in the field. In addition to individual instruction each agency is asked to offer a weekly seminar throughout the winter.

During the field work period thesis subjects are selected and worked on under the guidance of members of the School faculty. The preparation of a thesis is regarded as part of a student's training for a profession that looks to research for advancement of its theory and practice.

Continuous supervision from the School is maintained throughout the field work period by regular visits of faculty.

Curriculum

Plan A, the regular curriculum, covers three summer sessions in academic study on the Smith campus and two winter sessions in field work in agencies selected by and responsible to the School for the educational work.

Plan B covers two summer sessions of academic study at the School and an intervening winter session in field work. It is designed for students who have had adequate graduate preparation or satisfactory experience in an approved casework agency.

Plan C admits persons for a single summer session. Full credit will be given toward the degree provided the student is accepted for readmission to complete the course within a period of two years.

The School *Catalogue* giving full details for the coming year will be sent upon request.

Degrees

The Trustees of Smith College, on the recommendation of the staff, grant the degree of Master of Social Science (M.S.S.) on the following conditions: (a) Completion of the period of residence, namely, a minimum of five quarters of full-time work. (b) Satisfactory completion of the courses required, unless exempted by examination when advanced work may be substituted. (c) Satisfactory completion of a thesis.

Admission

The Smith College School for Social Work is open to women graduates of approved colleges who have completed at least twenty semester hours in the social and biological sciences. Inquiries and requests for applications for admission should be addressed to the Director, Smith College School for Social Work, Northampton.

Expenses

The fee for each summer session is \$350 which covers tuition, room, and board. For each winter session the fee is \$125.

During the periods of field work the students are personally responsible for their own maintenance and may not accept salaried positions.

Scholarships

Scholarship aid is available during the winter sessions. Certain state hospitals offer internships which cover all living expenses of the students who are assigned to them for their field experience; other agencies grant a number of scholarships ranging from \$800 to \$1000. A few larger scholarships are provided by agencies for students in the second year. All applications should be made to the Director before April 1, 1951.

Calendar 1951-53

First Session	June to September, 1951
Second Session	September 1951 to June 1952
Third Session	June to September, 1952
Fourth Session	September 1952 to June 1953
Fifth Session	June to September, 1953

Seminars

The School offers a series of two-week seminars in July open to experienced social workers, and limited to twenty-five members. The seminars are conducted on the discussion method under the leadership of outstanding practitioners.

*Advanced Study**(Third Year)*

This program of twelve months, July to July, is designed for experienced graduate caseworkers in preparation for practice, supervision, teaching, and administration. It is assumed that candidates undertaking this advanced curriculum will be preparing for positions of increased responsibility and leadership.

The program consists of formal course instruction, supervised field experience, and independent study. Seminars in casework and psychiatry are designed to improve the student's mastery of casework principles through a more thorough understanding of the dynamics of personality and social environment and of treatment methods. Seminars in teaching method and administrative process examine the educational and psychological principles involved. Agencies, clinics, and hospitals that are outstanding as teaching centers are used for field work.

The course is open to graduates of approved schools of social work who are well prepared in psychiatrically oriented casework, and who, following graduation, have had a minimum of three years of successful experience in a qualified casework agency.

The Board of Trustees of Smith College, upon the recommendation of the Faculty, will grant a diploma to students who satisfactorily complete the course.

The Alumnae Association

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THE ALUMNAE ASSOCIATION

[174]

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THE ALUMNAE ASSOCIATION

[176]

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OFFICE OF THE 75TH ANNIVERSARY FUND

CLAIRE ELAINE RICHARDSON
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Clerical Assistant
Clerical Assistant

Summary of Students in College

1950-1951

FRESHMAN CLASS (1954)	603
SOPHOMORE CLASS (1953)	551
JUNIOR CLASS (1952)	513
France	34
Geneva	32
Italy	6
Mexico	13
Toronto	2
SENIOR CLASS (1951)	469
France	2
Wellesley	2
TOTAL UNDERGRADUATES	2136
GRADUATE STUDENTS	122
NONCOLLEGIATE STUDENTS	9
NONRESIDENT FELLOWS AND SCHOLARS	9
TOTAL	2276

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

	Class of 1954	Class of 1953	Class of 1952	Class of 1951	Graduate Students
Alabama	0	1	0	1	1
Arizona	2	1	2	1	0
Arkansas	1	0	0	0	0
California	10	9	10	8	1
Colorado	8	6	5	5	0
Connecticut	66	51	43	33	4
Delaware	2	1	3	1	0
Washington, D.C.	10	6	7	9	1
Florida	4	4	5	6	0
Georgia	0	2	5	2	1
Illinois	27	34	16	28	3
Indiana	6	5	6	8	2
Iowa	1	2	2	0	0
Kansas	3	1	1	2	0
Kentucky	1	4	4	2	0
Louisiana	1	1	0	1	0
Maine	7	2	4	2	2

GEOGRAPHICAL DISTRIBUTION

[178]

	Class of 1954	Class of 1953	Class of 1952	Class of 1951	Graduate Students
Maryland	5	7	9	8	5
Massachusetts	78	97	83	78	29
Michigan	16	7	12	15	0
Minnesota	12	6	4	7	0
Mississippi	1	0	0	0	0
Missouri	9	8	6	6	0
Montana	1	0	0	0	0
Nebraska	3	0	1	0	0
New Hampshire	5	5	3	5	3
New Jersey	41	45	38	33	6
New Mexico	1	0	2	0	0
New York	148	134	121	96	17
North Carolina	0	2	1	2	1
North Dakota	1	0	0	1	0
Ohio	30	29	29	25	2
Oklahoma	7	1	0	2	1
Oregon	3	2	2	1	0
Pennsylvania	28	35	30	34	9
Rhode Island	9	4	9	6	0
South Carolina	2	1	1	0	0
South Dakota	0	0	0	0	1
Tennessee	3	1	1	0	0
Texas	16	5	6	2	1
Utah	0	0	1	0	0
Vermont	4	4	3	4	3
Virginia	4	5	7	6	2
Washington	6	5	2	4	1
West Virginia	0	0	1	2	0
Wisconsin	12	7	9	12	1
Wyoming	2	0	0	0	0
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Argentina	0	0	1	0	0
Australia	0	0	0	0	1
Austria	0	0	0	0	1
Brazil	0	0	1	0	1
British West Indies	0	2	0	1	0
Burma	0	0	0	0	1
Canada	1	0	3	0	2
Canal Zone	0	1	1	0	0
Chile	1	0	0	0	0
China	0	0	1	1	2

GEOGRAPHICAL DISTRIBUTION

	Class of 1954	Class of 1953	Class of 1952	Class of 1951	Graduate Students
Cuba	0	1	0	0	0
Egypt	0	0	1	0	0
England	0	1	1	0	4
Finland	0	0	0	0	1
France	0	0	0	1	1
Germany	0	0	1	0	2
Greece	0	1	2	2	1
Guatemala	1	1	0	0	0
Hawaii	3	0	3	2	1
Iceland	0	0	1	0	0
Iran	0	1	0	0	0
Italy	0	1	1	0	1
Japan	0	0	0	0	1
Jordan	0	0	0	1	0
Korea	0	0	0	1	1
Lebanon	0	1	0	0	0
Mexico	1	0	0	0	0
Porto Rico	0	0	1	0	0
South Africa	0	0	0	0	1
Sweden	0	0	0	1	1
Switzerland	0	0	1	0	0
Thailand	0	1	0	0	0
Turkey	0	0	0	1	1
Venezuela	0	0	0	0	1
	<u>603</u>	<u>551</u>	<u>513</u>	<u>469</u>	<u>122</u>

Schedule of Midyear Examinations for the Year 1951-52

This schedule should be consulted before courses are elected.

The term "sectioned course" as used in this schedule means a course in which there are no hours of meeting in common for all the students of the course.

Examinations for courses not included will be arranged before the examination period.

8:00- 10:20	Wed. Jan. 23 Philosophy 11 Philosophy 24	Thurs. Jan. 24 Mathematics 12 Mathematics 13 Mathematics 21	Fri. Jan. 25 All classes scheduled for Th F 4 except sectioned courses	Sat. Jan. 26 All classes scheduled for W Th F 3 except sectioned courses	Mon. Jan. 28 French 22a
	All classes scheduled for M T W 2 except sectioned courses	French 11D French 12 French 13 French 16 French 26	All classes scheduled for M T W 12 except sectioned courses	Psychology 12	All classes scheduled for Th F S 11 except sectioned courses
10:30- 12:50	History 11 Government 37	All classes scheduled for M T W 3 except sectioned courses	Physics 11 Physics 12 Theatre 12	All classes scheduled for M T W 11 except sectioned courses	Economics 21
2:30- 4:50					

Schedule of Midyear Examinations for the Year 1951-52

Continued

	Tues. Jan. 29	Wed. Jan. 30	Thurs. Jan. 31	Fri. Feb. 1
8:00- 10:20	All classes scheduled for W Th F 2 except sectioned courses	Music 11 Music 21 Music 22	All classes scheduled for Th F S 10 except sectioned courses	General Literature 291 Hygiene 11a
10:30- 12:50	Speech 11a Speech 14 Speech 22a	All classes scheduled for Th F S 9 except sectioned courses	All classes scheduled for Th F S 12 except sectioned courses	All classes scheduled for M T W 10 except sectioned courses
2:30- 4:50	All classes scheduled for M T W 9 except sectioned courses	Italian 11 Italian 11D Spanish 11 Spanish 11D Spanish 12 Spanish 16 Spanish 25	German 11 German 11D German 12 German 26	All classes scheduled for M T 4 except sectioned courses

INDEX

- Acceleration, 39
- Administrative Officers, 19
- Admission, 35
 - Entrance Requirements, 35, 36
 - Entrance Tests, 36
 - Advance Standing, 38
 - Foreign Students, 38
 - Graduate Students, 138
 - Noncollegiate Students, 38
- Advisers, 27
- Alumnae Association Officers, 171
 - Staff, 171
 - Presidents of Local Clubs, 172
- American Studies Major, 134
- Architecture and Landscape Architecture
 - Courses, 50, 52
 - Major, 134
- Art Courses, 49
- Astronomy Courses, 53
- Auditors, 38, 46
- Awards, 154
- Bacteriology Courses, 93
 - Major, 135
- Biblical Literature Courses, 117
- Bills, 2, 144
- Board, 144, 146
- Botany Courses, 55
- Buildings, 141-143
- Buildings and Grounds, Department of, 25
- Calendar, College, 5
 - Yearly, 4
- Certificate for Foreign Students, 138, 162
- Chemistry Courses, 58
- Child Study Courses, 67
- Classical Languages and Literature Department, 60
- College Transfer Test, 38
- College Board Regulations, 37-38
- Committees, Faculty, 27-29
 - Trustee, 6
- Co-operative Houses, 143, 146
- Correspondence, 2
- Courses of Study, 47
- Curriculum, 39-46
- Day School, Smith College, 25, 32, 143
- Deaf, Teaching of the, 69
- Dean's List, 44
- Degrees Conferred 1950, 156
- Degrees, Requirements to:
 - Bachelor of Arts, 39
 - Doctor of Philosophy, 138
 - Master of Arts, 138
 - Master of Education, 138
 - Master of Science in Physical Education, 112, 138
 - Master of Social Science, 169
- Deposits, 35, 42, 144
- Diploma in Physical Education, 112
- Divisions of the Curriculum, 39
- Economics Courses, 63
- Education Courses, 66
- Election of Courses, 45, 46
- Elisabeth Morrow Morgan Nursery School, 25, 32, 143
- English Courses, 71
- Entrance
 - Requirements, 35, 36
 - Tests, 36, 38
- Examination Schedules, 180-181
- Exclusion from College, 45, 111
- Expenses, 42, 144, 169
- Faculty, 7
- Failures, 45, 111
- Fees for
 - Auditors, 38
 - Graduation, 144
 - Gymnasium Suits, 111, 144
 - Junior Year Abroad, 42
 - Noncollegiate Students, 38
 - Practical Music, 144
 - Practice Rooms, 144
 - Registration, 35, 144
 - Sports, 111, 144
- Fellowships, 138, 146
- First Group Scholars, 145, 155
- Foreign Students, 38
- French Courses, 75
- Freshman and Sophomore Requirements, 40, 41
- Geographical Distribution of Students, 177-179
- Geology and Geography Courses, 78
- Genetics Courses, 57, 131
- German Courses, 81
- Government Courses, 84
- Grades, 39, 44, 45, 46

- Graduate Study, 138
- Greek Courses, 60, 61, 117
- Gymnasium Suits, 111, 144
- Heads of House, 26, 143
- Health, 111, 140
- Hebrew Course, 117
- History of Smith College, 30-34
- History Courses, 87
- Honors, 44
 - Conferred, 161, 162, 164
- Houses, 139, 143
- Hygiene Courses, 93
 - Requirement, 40, 93
- Insurance, 140
- Interdepartmental Courses, 47, 48
- Interdepartmental Majors, 41, 130, 134
- Italian Courses, 95
- Junior and Senior Requirements, 39, 40, 41
- Junior Year Abroad, 32, 41-43
- Language Houses, 33, 143
- Latin Courses, 61
- Library, 23, 141
- Loans, 146
- Major, the, 41
- Mathematics Courses, 96
- Midyear Examination Schedule, 180-181
- Minimum of Hours, 38, 40, 41, 46
- Museum of Art, 24, 141
- Music Courses, 99
 - Entrance Requirements, 102
 - Fees for Practical Music, 101, 144
- Naval Reserve Midshipmen's School, 33
- Noncollegiate Students, 38
- Nursery School, Elisabeth Morrow Morgan, 25, 32, 66, 143
- Phi Beta Kappa Society, 44
- Philosophy Courses, 104
- Physical Education Courses, 111
 - Requirement, 110, 111
 - Graduate Work, 112, 113
- Physical Plant, 141-143
- Physics Courses, 107
- Physiological Chemistry Major, 136
- Portuguese Courses, 124
- Premedical Science Major, 136
- Prizes, 151-153, 154
- Professional Schools, Preparation for, 134, 135, 136
- Psychology Courses, 114
- Reading Clinic, 67
- Readmission, 38
- Registrar's List, 45
- Registration, 5, 35
- Religion Courses, 117
- Religious Life, 140
- Requirements for Admission, 35, 36, 38
 - College Requirements, 39, 40, 41
- Residence, 38, 139, 143
- Residence Scholarships, 146
- Riding Fees, 111, 144
- Room Assignments, 35, 139
- Rules for Election of Courses, 45, 46, 47
- Russian Courses, 119
- Scholars, List of, 155
- Scholarship, 44, 45, 46
- Scholarships, 145-147, 169
 - Residence, 146
 - Endowed, 147-151
- Scholastic Achievement Tests, 36
 - Apptitude Tests, 36
- Self-Help, 146
- Shortage of Hours, 38, 45, 46
- Sigma Xi, Society of the, 45
- Signs and Abbreviations, 7, 47
- Smith College Day School, 25, 32, 66, 143
- Social Work, School for, 24, 166-170
- Sociology Courses, 121
- Spanish Courses, 124
- Speech Courses, 127
- Sports Fees, 111, 144
- Students' Aid Society, 2, 146
- Students, Summary of, 177
- Teaching Fellows, 138
- Teaching Requirements, 67
- Theatre Courses, 129
- Trustees, 6
- Tuition, 144
 - Free, 145
- Visitors, 2
- Vocational Counseling, 140
 - Office, 20, 21
- William Allan Neilson Chair of Research, 34
- Withdrawal from College, 35, 111, 144
- Zoology Courses, 131

Smith College Bulletin

The Catalogue Number
1951-1952

WITH ANNOUNCEMENT OF COURSES
FOR 1952-1953

NORTHAMPTON, MASSACHUSETTS

Visitors

Visitors are always welcome at the College. Student guides, whose headquarters are College Hall 1, are available for conducting tours of the campus. Their services may be reserved in advance by application to the Board of Admission.

Candidates for admission and pre-college students are urged to secure appointments in advance with the Director or Assistant Director of Admission and, if they are interested in scholarship and self-help opportunities, with the Director of Scholarships and Student Aid.

Administrative offices in College Hall are open Monday through Friday from 8:30 A.M. to 4:30 P.M. At other times, including holidays, officers and staff are available only if an appointment is made in advance.

Correspondence

Inquiries of various types concerning Smith College may be made of the following officers and their staffs, either by mail or by interview. The post office address is Northampton, Massachusetts.

ADMISSION OF STUDENTS: Mrs. Ruth W. Crawford, *Director*

RESIDENCE & GENERAL WELFARE OF STUDENTS: Mrs. Sidney A. Cook, *Warden*

SCHOLARSHIPS & SELF-HELP: Miss Mary E. Mensel, *Director*

GRADUATE STUDY & FELLOWSHIPS: Miss Gladys A. Anslow, *Director*

FOREIGN STUDENTS: Mrs. Lomie Lee Johnson, *Secretary of the Committee*

HEALTH OF STUDENTS: Dr. Marion F. Booth, *College Physician*, Gateway House

ACADEMIC STANDING:

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Mrs. Brewer G. Whitmore, *Dean of the Class of 1953*

Miss Marie Schnieders, *Dean of the Class of 1954*

Miss Charlotte H. Fitch, *Dean of the Class of 1955*

Miss Ruth T. Murdoch, *Dean of the Class of 1956*

PUBLICATIONS: Office of the Dean

LOANS FROM STUDENTS' AID SOCIETY: Miss Eleanor T. Lincoln, 54 Prospect Street

PAYMENT OF BILLS: Mr. William A. Bodden, *Treasurer*

SCHOOL FOR SOCIAL WORK: Miss Florence R. Day, *Director*

ALUMNAE AFFAIRS: Mrs. Clifford P. Cowen, *General Secretary*, Alumnae House

PUBLIC RELATIONS & RESOURCES: Mrs. E. T. Willson, *Director*

TRANSCRIPTS & RECORDS: Mrs. Gladys D. Diggs, *Registrar*

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TABLE OF CONTENTS

Visitors, Correspondence	2
Calendar for 1952, 1953	4
College Calendar	5
The Board of Trustees	6
The Board of Counselors	6
Officers of Instruction and Administration	7
Standing Committees of the Faculty	27
History of Smith College	30
Admission of Undergraduates	35
The Curriculum	39
Courses of Study	47
Interdepartmental Courses	48
Departmental Courses	50
Interdepartmental Majors	136
Graduate Study	140
General Information	141
The College Community	141
Expenses	146
Scholarships and Financial Aid	147
Endowed Scholarships and Prizes	149
Awards, Honors, and Degrees	157
Smith College School for Social Work	170
The Alumnae Association	175
Statistical Summary of Students in College	181
Midyear Examination Schedule for 1952-53	184
Index	186

1952

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College Calendar

SECOND SEMESTER 1951-1952

MONDAY, FEBRUARY 4, Semester begins
FRIDAY, FEBRUARY 15, Meeting of the Board of Trustees
FRIDAY, MARCH 21, 12:50 P.M. to THURSDAY, APRIL 3, 9:00 A.M., Spring Recess
FRIDAY, APRIL 18, Meeting of the Board of Trustees
MAY 13-21, Reading Period
MAY 14, 9:00 A.M., Senior Examinations
THURSDAY, MAY 22, Free Day
MAY 23-JUNE 3, Final Examinations
FRIDAY, MAY 30, Memorial Day (*holiday*)
MONDAY, JUNE 9, Commencement Day

FIRST SEMESTER 1952-1953

MONDAY, SEPTEMBER 22, Registration for Freshmen
WEDNESDAY, SEPTEMBER 24, 9:00 A.M., First Chapel and Required Registration
THURSDAY, SEPTEMBER 25, 9:00 A.M., Classes begin
A DAY AFTER OCTOBER 8, Mountain Day (*holiday*)
FRIDAY, OCTOBER 17, Meeting of the Board of Trustees
WEDNESDAY, NOVEMBER 26, 12:50 P.M. to MONDAY, DECEMBER 1, 9:00 A.M., Thanks-giving Weekend
FRIDAY, DECEMBER 19, 12:50 P.M. to TUESDAY, JANUARY 6, 9:00 A.M., Winter Recess
JANUARY 12-19, Reading Period
MONDAY, JANUARY 19, Classes follow Wednesday schedule.
TUESDAY, JANUARY 20, Free Day
JANUARY 21-30, Midyear Examinations

SECOND SEMESTER 1952-1953

MONDAY, FEBRUARY 2, Second Semester begins
FRIDAY, FEBRUARY 20, Meeting of the Board of Trustees
WEDNESDAY, MARCH 25, 3:50 P.M. to THURSDAY, APRIL 9, 9:00 A.M., Spring Recess
FRIDAY, APRIL 17, Meeting of the Board of Trustees
MAY 12-20, Reading Period
MAY 13, 9 A.M., Senior Examinations
FRIDAY, MAY 22, Free Day
MAY 23-JUNE 2, Final Examinations
SATURDAY, MAY 30, Memorial Day (*holiday*)
FRIDAY, JUNE 5, Meeting of the Board of Trustees
MONDAY, JUNE 8, Commencement Day

OPENING OF COLLEGE 1953-1954

MONDAY, SEPTEMBER 21, Registration for Freshmen
WEDNESDAY, SEPTEMBER 23, 9:00 A.M., First Chapel and Required Registration
THURSDAY, SEPTEMBER 24, 9:00 A.M., Classes begin

The Board of Trustees

BENJAMIN FLETCHER WRIGHT, PH.D., LL.D. (*President*) Northampton
 ELIZABETH CUTTER MORROW, B.L., L.H.D., LL.D., LITT.D. (*Honorary Chairman*) Englewood, N. J.

Term expires

1952	MORRIS FELTON LA CROIX, M.E.	Boston
1953	LUCIA NORTON VALENTINE, A.B.	Washington
1954	FRANKLIN EDDY PARKER, JR., A.B., LL.B.	New York
1955	GARDINER SYMONDS, A.M.	Houston
1956	FRANCIS MCMASTER KNIGHT, B.A.	Chicago
1957	MARY PILLSBURY LORD, A.B.	New York
1958	ALEXANDER I. HENDERSON, A.B., LL.B.	New York
1959	CHARLES EDWARD WYZANSKI, JR., A.B., LL.B.	Boston
1960	JUSTINA HAMILTON HILL, M.S., SC.D. (hon.)	New York
1961	POMEROY DAY, B.A., LL.B.	Hartford
1952	MARTHA ALDRICH HOLLOWAY, M.S.	Seattle
1954	AMANDA BRYAN KANE, A.B. (<i>Chairman</i>)	New York
1956	DOROTHY FOSDICK, PH.D., LL.D.	Washington
1958	EMILY CRABBE BALLOU, A.B.	Wellesley Hills
	ANNETTA I. CLARK, A.B., A.M. (hon.), <i>Secretary</i>	Northampton
	WILLIAM ALBERT BODDEN, B.A., <i>Treasurer and Controller</i>	Northampton

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 MRS JOHN BARCLAY, JR., *Chairman* Greensburg, Pennsylvania
 MISS FLORENCE H. SNOW, *Executive Vice-Chairman* Northampton

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Glencoe, Illinois	Atlanta, Georgia
TED R. GAMBLE	MRS WILLIAM MCN. RAND
Portland, Oregon	Lincoln, Massachusetts
ISADORE B. GOODMAN	DR GEORGE S. REYNOLDS
El Paso, Texas	Pittsfield, Massachusetts
MRS WILLIAM A. HIRSCH	MRS CHARLES A. VOSE
New York City	Oklahoma City, Oklahoma
PHILIP HOFER	DR PAUL D. WHITE
Cambridge, Massachusetts	Belmont, Massachusetts
MRS JOHN J. LOUIS	MRS JOHN WINTERSTEEN
Evanston, Illinois	Philadelphia, Pennsylvania

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BENJAMIN FLETCHER WRIGHT, PH.D., LL.D., *President and Professor of Government*

ANNA ALICE CUTLER, PH.D.
HARRIET REDFIELD COBB, A.M.

Professor Emeritus of Philosophy (1930)
Professor Emeritus of Mathematics
(1931)

ELIZABETH DEERING HANSCOM, PH.D.

Professor Emeritus of English Language
and Literature (1932)

FRANK ALLAN WATERMAN, PH.D.
MARY LOUISE FOSTER, PH.D.

Professor Emeritus of Physics (1933)
Associate Professor Emeritus of Chem-
istry (1933)

LOUISA SEWALL CHEEVER, A.M.

Associate Professor Emeritus of English
Language and Literature (1934)

REBECCA WILDER HOLMES, MUS.D. (hon.)
JOSEF WIEHR, PH.D.

Professor Emeritus of Music (1936)
Professor Emeritus of German Lan-
guage and Literature (1937)

MARY LILIAS RICHARDSON, A.M.

Associate Professor Emeritus of Latin
Language and Literature (1937)

CAROLINE BROWN BOURLAND, PH.D.

Professor Emeritus of Spanish Language
and Literature (1939)

LOUISE DELPIT, CONCOURS CERTIFICAT
LETTRES, O.A.

Professor Emeritus of French Language
and Literature (1940)

NINA ELIZA BROWNE, A.M., B.L.S., LITT.D.
MARY BELLE McELWAIN, PH.D., LITT.D.

College Archivist Emeritus (1940)
Professor Emeritus of Classical Lan-
guages and Literatures (1942)

FLORENCE ALDEN GRAGG, PH.D.

Professor Emeritus of Classical Lan-
guages and Literatures (1943)

MARY DUNHAM, M.A.

Librarian Emeritus (1943)

LAURA WOOLSEY LORD SCALES, B.L.,
L.H.D., LITT.D.

Warden Emeritus (1944)

ANNA ADÈLE CHENOT, A.M.

Associate Professor Emeritus of French
Language and Literature (1944)

Key for superscripts used in this section: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the Juniors in France; ‡ in Mexico; § in Geneva; | in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

LUCY LORD BARRANGON, A.M.	<i>Associate Professor Emeritus of Art</i> (1944)
RICHARD ASHLEY RICE, A.M.	<i>Professor Emeritus of English Language and Literature</i> (1946)
WILLIAM DODGE GRAY, PH.D.	<i>Professor Emeritus of History</i> (1946)
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MARGARET GALE SCOTT, M.A.	<i>Associate Professor Emeritus of History</i> (1946)
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SUSAN MILLER RAMBO, PH.D.	<i>Professor Emeritus of Mathematics</i> (1948)
JOY SECOR, A.M.	<i>Registrar Emeritus</i> (1948)
WILSON TOWNSEND MOOG, B.A., MUS.B.	<i>Professor Emeritus of Music</i> (1949)
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ELEANOR SHIPLEY DUCKETT, PH.D., D.LIT., L.H.D.	<i>Professor Emeritus of Classical Languages and Literatures</i> (1949)
YVONNE IMBAULT-HUART, BI-ADMISSIBILITÉ À L'AGRÉGATION, O.A.	<i>Associate Professor Emeritus of French Language and Literature</i> (1949)
ELIZABETH FAITH GENUNG, M.S. IN AGR.	<i>Associate Professor Emeritus of Bacteriology</i> (1950)
ABBIE MABEL O'KEEFE, M.D.	<i>Associate Physician Emeritus</i> (1950)
<hr/>	
DOROTHY SEARS AINSWORTH, PH.D.	<i>Professor of Physical Education</i>
GLADYS AMELIA ANSLOW, PH.D., SC.D. (hon.)	<i>Professor of Physics on the Gates Foundation and Director of Graduate Study</i>
NEWTON ARVIN, A.B.	<i>Professor of English Language and Literature</i>
† DOROTHY CAROLIN BACON, PH.D.	<i>Professor of Economics</i>
ALBERT FRANCIS BLAKESLEE, PH.D., SC.D. (hon.), LL.D.	<i>Visiting Professor of Botany and Director of the Smith College Genetics Experiment Station</i>
MARION FRANCES BOOTH, A.B., B.SC., M.D.	<i>College Physician and Professor of Hygiene and Bacteriology</i>

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JESSIE YEREANCE CANN, PH.D.	<i>Professor of Chemistry</i>
MICHELE FRANCESCO CANTARELLA, A.M.	<i>Professor of Italian Language and Literature</i>
HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS	<i>Professor of French Language and Literature</i>
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ANNETTA I. CLARK, A.B., A.M. (hon.)	<i>Secretary of the Board of Trustees</i>
MARY EVELYN CLARKE, PH.D.	<i>Professor of Philosophy</i>
ALISON LOOMIS COOK, A.B.	<i>Warden</i>
HALLIE FLANAGAN DAVIS, A.M., L.H.D.	<i>Professor of Drama and Director of Theatre</i>
FLORENCE ROBERTS DAY, M.SC. (Soc. Admin.)	<i>Director of the Smith College School for Social Work</i>
NEAL BREAULE DENOOD, PH.D.	<i>Professor of Sociology</i>
ELIZABETH DREW, B.A. (OXON.)	<i>Visiting Professor of English Language and Literature</i>
ERNEST CHARLES DRIVER, PH.D.	<i>Professor of Zoology</i>
JOHN WOODS DUKE	<i>Professor of Music</i>
ESTHER CLOUDMAN DUNN, PH.D.	<i>Professor of English Language and Literature on the Mary Augusta Jordan Foundation</i>
SAMUEL ATKINS ELIOT, JR., A.B.	<i>Professor of English Language and Literature</i>
ALVIN DERAUD ETLER, MUS.B.	<i>Professor of Music</i>
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ELIZABETH ANDROS FOSTER, PH.D.	<i>Professor of Spanish Language and Literature</i>
LEONA CHRISTINE GABEL, PH.D.	<i>Professor of History</i>
² PIETER GEYL, LIT.D.	<i>William Allan Neilson Professor of History</i>
PAUL GERALD GRAHAM, PH.D.	<i>Professor of German Language and Literature</i>
MARGARET STORRS GRIERSON, PH.D.	<i>College Archivist, Executive Secretary Friends of the Library, Director of the Sophia Smith Collection</i>
VINCENT GUILLOTON, AGRÉGÉ DE L'UNIVERSITÉ	<i>Professor of French Language and Literature on the Helen and Laura Shedd Foundation</i>
LELAND HALL, M.A.	<i>Professor of Music</i>

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VERA BROWN HOLMES, PH.D.	<i>Professor of History</i>
HAROLD EDWARD ISRAEL, PH.D.	<i>Professor of Psychology</i>
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** PAUL ROBERT LIEDER, PH.D.	<i>Professor of English Language and Literature</i>
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HELEN MUCHNIC, PH.D.	<i>Professor of Russian Language and Literature</i>
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CHARLES HUNT PAGE, PH.D.	<i>Professor of Sociology</i>
HOWARD MADISON PARSHLEY, SC.D.	<i>Professor of Zoology</i>
HOWARD ROLLIN PATCH, PH.D., LITT.D.	<i>Professor of English Language and Literature</i>
HELEN WHITCOMB RANDALL, PH.D.	<i>Dean and Professor of English Language and Literature</i>
SOLON ROBINSON	<i>Professor of Music</i>
MYRA MELISSA SAMPSON, PH.D.	<i>Professor of Zoology</i>
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VERA A. SICKELS, A.M.	<i>Professor of Speech</i>
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WILLIAM SENTMAN TAYLOR, PH.D.	<i>Professor of Psychology</i>

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FREDERICK WARREN WRIGHT, PH.D.	<i>L. Clark Seelye Professor of Classical Languages and Literatures</i>
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† SARA BACHE-WIIG, PH.D.	<i>Associate Professor of Botany</i>
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* CLIFFORD RICHARDSON BRAGDON, A.M., ED.M.	<i>Associate Professor of Education and Child Study</i>
EDITH BURNETT, B.S.	<i>Associate Professor of Theatre (Dance)</i>
ESTHER CARPENTER, PH.D.	<i>Associate Professor of Zoology</i>
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H. GEORGE COHEN	<i>Associate Professor of Art</i>
** ROBERT FRANK COLLINS, A.M.	<i>Associate Professor of Geology and Geography</i>
VIRGINIA CORWIN, B.D., PH.D.	<i>Associate Professor of Religion and Biblical Literature</i>
MARGARET BRACKENBURY CROOK, B.A., DIPLOMA IN ANTHROPOLOGY (OXON.)	<i>Associate Professor of Religion and Biblical Literature</i>
ROBERT GORHAM DAVIS, A.M.	<i>Associate Professor of English Language and Literature</i>
BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO	<i>Associate Professor of Music</i>
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Mary Louise Burditt, A.B.	<i>Photographer</i>
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CENTRAL DUPLICATING AND STENOGRAPHIC DEPARTMENT	
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K. FRANCIS SCOTT, PH.B., M.D.	<i>Associate Professor of Hygiene</i>
FRANCES CAMPBELL MCINNES, A.M., M.D.	<i>Associate Physician</i>
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MARGARET SYBIL MELCHER, A.B., M.D.	<i>Assistant Physician</i>
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VIRGINIA B. DELANEY	<i>Administrative Assistant</i>
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MARY BARTLETT COWDREY, A.B.

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KATHLEEN MARGARET COLE, M.A.	<i>Research Fellow</i>
MARILYN HOLLANDER, A.B.	<i>Research Fellow</i>
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SMITH COLLEGE SCHOOL FOR SOCIAL WORK

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ELIZABETH CLARK JOHNSON, S.B.	<i>Executive Secretary and Registrar</i>
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JANICE RAE BROWN, ED.M.	<i>Teacher</i>
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MURIEL ANNETTE LOGAN, ED.M.	<i>Teacher of Physical Education</i>
ALDEEN COX TREXLER	<i>Teacher of Music</i>
MARJORIE TURNER ETLER	<i>Teacher of Piano</i>
RITA JULES	<i>Teacher of Art</i>
LAWRENCE ELLIOT BRIGGS, M.S.	<i>Assistant in Recreation</i>
CLAIRE CUTTEN MANWELL, A.B., M.D.	<i>Physician</i>
HAZEL HAWTHORNE BOWLES, R.N., M.A.	<i>Nurse</i>

ELISABETH MORROW MORGAN NURSERY SCHOOL

MARY WAGNER FROBISHER, M.A.	<i>Director</i>
VIRGINIA CASS, B.S. IN ED.	<i>Teacher</i>
KATHRYN E. FIESELMAN, B.S. IN ED.	<i>Teacher</i>

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JOAN MIRIN	<i>Secretary</i>

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RAYMOND J. PERRY	<i>Superintendent of the Laundry</i>

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CONSTANCE M. CARR	<i>Albright House</i>
HELEN WOODS CHANDLER	<i>Laura Scales House</i>
DOROTHY DEVEREUX CURTIN	{ <i>Capen House</i>
GRACE MAXWELL CURTIS, A.B.	{ <i>Capen Annex</i>
ALICE SAWIN DAVIS, A.B., B.S.	<i>Comstock House</i>
MARGARET HANNUM DEAN, A.B.	<i>Hopkins Group</i>
ELIZABETH CURTISS DE CERVANTES, A.B.	<i>Jordan House</i>
REBEKAH WARD ELLIOT	<i>150 Elm Street</i>
JOSEPHINE W. ENGLISH	<i>Morris House</i>
HELEN LEWIS GOODENOUGH	<i>Morrow House</i>
ANITA EMMET HALL	<i>Martha Wilson House</i>
REBECCA M. HAWLEY	<i>Wallace House</i>
MARIANNE HEINEMANN	{ <i>Wilder House</i>
ATOSSA NILSEN HERRING	{ <i>Mandelle Annex</i>
KATHERINE A. HOLMES	<i>German House</i>
ROSA ELEONORA VALBORG HORTON	{ <i>Park House</i>
ELEANOR BURDICK IRWIN, A.B.	{ <i>Park Annex</i>
LOUISE JEWELL JENCKS	<i>Sessions House</i>
	<i>Northrop House</i>
	<i>Tenney House</i>
	<i>Chapin House</i>

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MAYBELLE KINGSBURY LITTLEFIELD, A.B.	<i>Ellen Emerson House</i>
ELIZABETH LOWRY, B.L.	<i>Tyler House</i>
MAY IRENE McARTHUR	{ <i>Parsons House</i>
MARION MORRELL	{ <i>Parsons Annex</i>
KATHRINE MATHILDE OCKENDEN	<i>Gillett House</i>
KATHARINE MOSSER PEDICONI, A.B.	<i>Director, Davis Student Center</i>
MARY STUART RAE	<i>Dawes House</i>
SARA B. ROSENTHALL	<i>Lawrence House</i>
JESSICA JENKS SAUNIER, A.B.	<i>Washburn House</i>
HELEN PRESTON SAWYER	{ <i>Dewey House</i>
ELEANOR K. SELTZER	{ <i>Clark House</i>
MARGARET P. SHAKESPEARE, B.S.	<i>Talbot House</i>
MARY OLIVE SLEEPER, A.B.	<i>Baldwin House</i>
SHEILA BRYANT SWENSON, A.B.	{ <i>Haven House</i>
JOSEPHINE H. TORREY	{ <i>Wesley House</i>
EMILY CHAPIN WOOD, A.B.	<i>Cushing House</i>
ELIZABETH LAIRD YOUNG, A.B.	<i>Henshaw Group</i>
	<i>Gardiner House</i>
	<i>Hubbard House</i>
	<i>Fort Hill House</i>

STANDING COMMITTEES OF THE FACULTY

ORGANIZATION OF THE COLLEGE

COMMITTEES (*elected*)

The President, the Dean, Miss Carter (1952),* Mr Graham (1952), Mr Cole (1953), Miss Elinor Smith (1953)

TENURE AND PROMOTION (*elected*)

The President, the Dean, Miss Vaughan (1952), Miss Mohler (1953), Mr Duke (1954),† Mr Larkin (1955), Mr Graham (1956). Substitute for one year, Miss Sampson

TRUSTEE-FACULTY CONFERENCE (*elected*)

Mr Ross (1952), Miss Lincoln (1953), *secretary*, Miss Corwin (*Educational Policy*), Miss Sampson (*Tenure and Promotion*)

ADMINISTRATIVE BOARD

The Dean (*chairman*), the Warden, the Class Deans, the Registrar, the College Physician, Mr Collins, Mr Hill, Mr Sherk

* Date indicates end of term of service.

† Absent for the year.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

CONFERENCE

The President, the Administrative Board, five members of the Student Council, four members of the House of Representatives

BOARD OF ADMISSION

The President (*chairman*), the Dean,† Mrs Crawford, Miss Wing, Mr F. Warren Wright, Miss Fitch, Mr Bragdon, Miss Burt, Miss Elinor Smith

REGISTRATION OF STUDENTS

Miss Crook (*chairman*), Miss Bussell, Miss Carl, Mr Coffin, Miss Penney, Mr Pierce, Mr Preyer

CURRICULUM AND GUIDANCE OF STUDENTS

EDUCATIONAL POLICY (*elected*)

The President, the Dean (*chairman*), Miss Dunn (1952), Mr Guilloton (1952), Miss Bornholdt (1952), †Miss Bacon (1953), Miss Corwin (1953), Mr Page (1953), Miss Gabel (1954), Mr Overstreet (1954), Miss Young (1954). Substitute for one year, Miss Siipola

BOARD OF ADVISERS

The Dean (*chairman*), Mr Barber, Miss Barton, Miss Bourgoin, Miss Burt, Miss Carl, Miss Carpenter, Miss Carter, Miss Christodoulou, Mr Coffin, Mr Cole, Mr Collins, Miss Corwin, Mr Davis, Mr Duke, Mrs Frobisher, Miss Gabel, Miss Gill, Mr Graham, Miss Griffiths, Mrs Haigh, Mr Hill, Mrs Hobbs, Miss Hornbeak, Miss Horner, Mrs Hoyt, Miss Kemp, Miss Kenyon, Mrs Lazerowitz, Miss Libby, Miss Lincoln, Mr McCoy, Miss Mohler, Miss O'Neill, Mr Overstreet, Mr Packard, Mr Page, Miss Paulus, Miss Peirce, Miss Peoples, Mr Preyer, Miss Robinton, Mr Ross, Miss Ruby, Miss Sampson, Mr Schalk, Mr Scott, Mr Sherk, Miss Sickles, Miss Silbert, Miss Elinor Smith, Miss Gertrude Smith, Miss Sperduti, Mrs Taber, Mr von Klemperer, Mr Willett, Miss Edna Williams, Miss Margery Williams, Mr Kenneth Wright, Miss Ruth Young, Miss Arrighi, Miss Ascher, Miss Schnieders and Miss Fitch (*ex officio*)

HONORS

Miss Wilson (*chairman*), the President, the Senior Class Dean, Miss Kenyon, Miss Lincoln, Mrs Lehmann, Mr Scott, Miss Gertrude Smith

GRADUATE STUDY

Miss Anslow (*chairman*), the President, Miss Ainsworth, Mrs Holmes, Miss Rood, Miss Vaughan, Mr Wakeman, Miss Edna Williams, Mr Kenneth Wright

FOREIGN STUDENTS

Miss Vaughan (*chairman*), Miss Bourgoin, Miss Carter, Miss Chin, Miss Corwin, Miss Peirce, Miss Edna Williams, Miss Mensel (*ex officio*)

OFFICERS OF INSTRUCTION AND ADMINISTRATION

OTHER COLLEGE BUSINESS

LIBRARY

Miss Sampson (*chairman*), the Librarian, Mrs Haigh, Mr Paulsen, Miss Ruby

LECTURES

Mrs Van der Poel (*chairman*), Mr Davis, Mr Overstreet, Miss Siipola, Mr Dewey (*secretary*)

MOTION PICTURES

Mr Jules (*chairman*), Mr Dowell, Miss Saleil, Miss Schnieders, Mrs Whitmore, Mrs Cantarella (*secretary*)

SCHOLARSHIPS

The President (*chairman*), the Dean, the Warden, Miss Mensel, Mr Bodden, Miss Griffiths, Mr F. Warren Wright, Miss Vaughan (*ex officio*)

STUDENTS' AID SOCIETY

Mrs Hobbs, Miss Lincoln

HONORARY DEGREES

Miss Anslow (1954), *chairman*, Miss Chase (1952), Mr Orton (1953)

JUNIPER LODGE

Miss Carpenter (*chairman*), Miss Barton, Miss Bornholdt, Miss Bryson, Miss O'Neill

FACULTY OFFICES

Mr Taylor (*chairman*), Miss Leland, Mr Putnam

SPECIAL COMMITTEES

HYGIENE REQUIREMENT

Mr Taylor (*chairman*), Dr Booth, Dr Scott (*secretary*), Miss Horner, Miss Robinton, Miss Fitch (*ex officio*)

MARSHALS

Mr Willett (College Marshal), Mr Dewey, Miss Chin, Mr Kenneth Wright, Miss Marjorie Williams

CHAIRMEN OF ACADEMIC DIVISIONS

I THE HUMANITIES: Miss Corwin

II SOCIAL SCIENCES AND HISTORY: Miss Carter

III NATURAL SCIENCES AND MATHEMATICS: Miss Kemp

History of Smith College

Smith College began in the conscience of a New England woman. The sum of money with which the first land was bought, the first buildings erected, and the foundations of the endowment laid had been amassed by a man who, like many Americans, had made a fortune without any apparent ulterior purpose. He seems to have bequeathed it to his sister because he had not made up his mind what else to do with it. Sophia Smith left it for the founding of a college for women because after much perplexity, deliberation, and advice, she had concluded that thus she could best fulfill a moral obligation.

The advice had its inception in the mind of a New England minister. From John Morton Greene, Sophia Smith received suggestions which she pondered and discussed, and from among which she finally accepted that which we must acclaim as the wisest and most beneficent. The idea that Mr. Greene presented and Sophia Smith adopted is clearly expressed in a passage in Sophia Smith's will that must be regarded as their joint production, drafted by him, amended and approved by her. The language is as follows:

I hereby make the following provisions for the establishment and maintenance of an Institution for the higher education of young women, with the design to furnish for my own sex means and facilities for education equal to those which are afforded now in our Colleges to young men.

It is my opinion that by the higher and more thorough Christian education of women, what are called their "wrongs" will be redressed, their wages adjusted, their weight of influence in reforming the evils of society will be greatly increased, as teachers, as writers, as mothers, as members of society, their power for good will be incalculably enlarged.

Later, after enumerating the subjects which still form the substance of the curriculum of the College, she adds: "And in such other studies as coming times may develop or demand for the education of women and the progress of the race, I would have the education suited to the mental and physical wants of woman. It is not my design to render my sex any the less feminine, but to develop as fully as may be the powers of womanhood, and furnish women with the means of usefulness, happiness and honor, now withheld from them." She further directed that "without giving preference to any sect or denomination, all the education and all the discipline shall be pervaded by the Spirit of Evangelical Christian Religion."

NOTE:—Among the sources of this account are the historical addresses given by President William Allan Neilson on the Fiftieth Anniversary and by Ada Comstock Notestein '97 (former Dean of Smith and President of Radcliffe) on the Seventy-Fifth Anniversary of the College.

HISTORY OF SMITH COLLEGE

When one considers what would today be regarded as the somewhat narrow and puritanical type of culture in which the authors of these sentences were living, one cannot fail to be impressed by their wisdom, liberality, and farsightedness. The general terms in which the purposes of women's education are defined are perfectly valid today. Provision is made for change of outlook and development in the scope of education. While the fundamentally religious interest of the founder is stressed, the College is kept clear of entanglement with institutional Christianity, and the only prescription is the pervading of instruction by the spirit of the gospel of Jesus Christ. This injunction has been obeyed in the past, we trust and believe it is being obeyed in the present, and there is no reason to believe that it will not be willingly and gladly observed in the future.

I

It is one thing to state an ideal and give a commission, it is another to carry them out. Laenus Clark Seelye in 1873 undertook the presidency of the new college, and in 1875 Smith College was opened with fourteen students. His inaugural address laid down the main lines of educational policy on which the new college was to run, and again it is amazing to note how little these have to be modified to describe the College of today. There is the same high standard of admission, matching that of the best colleges for men, the same breadth in the curriculum, the same emphasis on literature, art, and music. What we are less likely to note is the faith needed to establish these standards and to stick to them in an atmosphere of skepticism and ridicule.

For thirty-five years President Seelye carried the College forward. Its assets grew from the original bequest of about \$400,000 to over \$3,000,000; its faculty from half a dozen to 122; its student body from 14 to 1635; its buildings from three to 35. These figures are a testimony to his remarkable financial and administrative ability, yet they are chiefly important as symbols of a greater achievement. With few educational theories—none of them revolutionary—he had set going a process for the molding of minds and spirits of young women, had supervised the process for a generation, and had stamped upon several thousand graduates the mark of his own ideals and his own integrity.

II

It is hard to follow the king and the problem which faced President Seelye's successor was no easy one. The growth of the College had acquired a strong momentum, and numbers increased of themselves; Marion Le Roy Burton's task was to perfect the organization for taking care of these numbers. This meant the modernizing of the business methods of the administration, the improvement of the ratio of instructors to students, the raising of salaries to retain and improve the staff, the providing of more adequate equipment, and the revision of the curriculum. The seven years of his service saw the further growth of the College to over

HISTORY OF SMITH COLLEGE

1900 students, the increase of its assets by over \$1,000,000, and substantial progress in educational efficiency. The business reorganization was well begun when in 1917 President Burton accepted the presidency of the University of Minnesota.

III

Now one of the largest women's colleges in the world, Smith College faced problems which it shared with both colleges and universities. President William Allan Neilson set about to develop all the advantages which only a large institution can offer, and at the same time to avoid any disadvantages which might be inherent in the size of the institution. While the number of instructors was constantly increased, the number of students was held to approximately two thousand. With the construction of further dormitories, each one of them housing sixty or seventy students in accordance with the original "cottage plan" of the founders, it became possible for all students to live "on campus." An expanded administrative system provided a separate Dean for each college class, a staff of five resident physicians, and a Director of Vocational Guidance and Placement. In addition, the curriculum was revised under President Neilson's guidance in order to provide a pattern now generally familiar in institutions throughout the country: a broad general foundation in various fields of knowledge followed by a more intensive study of a major subject.

There were other innovations. The School for Social Work resulted from a suggestion that the College give training in psychiatric social work and thus serve in the rehabilitation of veterans of World War I. The Smith College Day School and the Elisabeth Morrow Morgan Nursery School gave students in education a field for observation and practice teaching. The Junior Years Abroad, Special Honors programs, and interdepartmental majors in science, landscape architecture, and theatre added variety and incitement to the course of study.

Yet the great contribution of President Neilson's long administration did not lie in any of these achievements or in their sum. In his time Smith College came to be recognized in America and abroad not only as a reputable member of the academic community but as one of the leading colleges of this country, whether for men or women. Its position in the front rank was established. Its size, its vigor, the distinction of its faculty and the ability of its alumnae were factors in this recognition; but a certain statesmanlike quality in its President had much to do with bringing it to the fore whenever academic problems were under discussion. Wherever Mr. Neilson went, his ability to penetrate to the heart of a question helped to clarify thinking, dissipate prejudice, and foster agreement; and the College rose with him in the estimation of the educational world and of the country.

IV

The fourth administration of Smith College began, like the third, in a time of international conflict, under the cloud of wars and rumors of wars. President

HISTORY OF SMITH COLLEGE

Neilson retired at the end of the academic year 1938-39; during the interregnum Mrs. Elizabeth Cutter Morrow served her college as Acting President, and earned its deep gratitude. At the opening of the year 1940-41, President Herbert Davis, formerly Professor of English at the University of Toronto and at Cornell University, took office. "This is not a time to prophesy smooth things, or to dream dreams," President Davis said in his inaugural address on October 17, 1940. "It is not a time for experiment; not a time to advance to new positions, or to undertake new responsibilities. It is a time rather for consolidation, for holding on to what we know is worth maintaining."

The College went into year-round session; faculty and staff were called into many fields of government service. The Navy Department invited Smith College to provide facilities for the first Officers' Training Unit of the Women's Reserve, and College, Alumnae Association, and City cooperated to such purpose that 9567 naval officers had been commissioned when the school closed in January, 1945. To compensate somewhat for the suspension of the Junior Years Abroad, foreign-language houses for students interested in French and Spanish were established after the model of the German House which had been founded, also in consequence of conditions abroad, in 1935.

During these years President Davis did not relax the standards of quality and achievement to which he and those before him had committed the College. Peace brought a return to the regular calendar, a major curriculum revision, and serious financial problems. With the partial completion of the 75th Anniversary Fund, faculty salaries were somewhat increased and several long-needed projects undertaken. Among them was a student center so successfully adapted from an old gymnasium that the students named it Davis Center as a mark of affection for their president shortly before he left in June, 1949 to accept a post at Oxford University.

V

The Anniversary year 1949-50 opened under a new president, Benjamin Fletcher Wright, formerly Professor of Government at Harvard University and Chairman of that University's important Committee on General Education. The Inauguration of the President and the Convocation in honor of the seventy-fifth year, held jointly on the 19th and 20th of October, were marked in word and spirit by recognition not only of the brilliant record of the past but of a great responsibility toward the future. "Our legacy is not narrow and confining," said Mr. Wright in his inaugural address. "The founders of this College faced their own times with courage, and they had confidence that later generations would advance their work. We shall be faithful to that trust only if we carry on our heritage in their spirit." Eight months later at an Anniversary Assembly in June, this confidence was notably demonstrated in the successful completion of a Seven Million Dollar Fund representing four years of devoted and indefatigable effort on the part of alumnae, stu-

HISTORY OF SMITH COLLEGE

dents, and friends of the College in the face of increasingly unfavorable economic factors.

The growth of Smith College is evident enough in the contrast between the small beginnings and the present achievement: between the original corner lot of 13 acres and a campus of 214 acres; between Sophia Smith's legacy of \$400,000 and current assets of \$25,016,381; between the first class of 14 and today's enrollment of 2290; between the 11 graduates of 1879 and an alumnae roster of 21,779. But the ideals of the founders, of President Seelye, and of all the great company who have loved the College and worked for it with devotion are the same; the purpose of education as defined by President Davis, "to produce free spirits and to let them work freely," continues to be the high purpose of Smith College.

THE WILLIAM ALLAN NEILSON CHAIR OF RESEARCH

The William Allan Neilson Professorship, commemorating his profound concern for scholarship and research, has been held by the following distinguished scholars:

KURT KOFFKA, PH.D. *Psychology*. 1927-32.

G. ANTONIO BORGESSE, PH.D. *Comparative Literature*. 1932-35.

SIR HERBERT J. C. GRIERSON, M.A., LL.D., LITT.D. *English*. Second semester, 1937-38.

ALFRED EINSTEIN, DR. PHIL. *Music*. First semester, 1939-40; 1949-50.

GEORGE EDWARD MOORE, D.LIT., LL.D. *Philosophy*. First semester, 1940-41.

KARL KELCHNER DARROW, PH.D. *Physics*. Second semester, 1940-41.

CARL LOTUS BECKER, PH.D., LITT.D. *History*. Second semester, 1941-42.

ALBERT F. BLAKESLEE, PH.D. SC.D. (hon.). *Botany*. 1942-43.

EDGAR WIND, PH.D. *Art*. 1944-48.

DAVID NICHOL SMITH, M.A., D.LITT. (hon.), LL.D. *English*. First semester, 1946-47.

DAVID MITRANY, PH.D., D.SC. *International Relations*. Second semester, 1950-51.

PIETER GEYL, LIT.D. *History*. Second semester, 1951-52.

Admission of Undergraduates

SMITH COLLEGE accepts candidates for the degree of Bachelor of Arts both as members of the Freshman Class and as members of the Sophomore or Junior classes with acceptable credits from other colleges. The Freshman Class is selected on a competitive basis, careful consideration being given to each applicant's record as a whole.

APPLICATION FOR ADMISSION

An applicant for admission registers by filling out and submitting an application form which the Board of Admission will furnish upon request, and by paying a registration fee of \$10 which is not refunded. If possible, such registration should be made well in advance of entrance to enable the applicant to receive the benefit of advice in making her entrance plans. Although the date of application is not considered in the selection of candidates, rooms in college houses are assigned to freshmen in order of their dates of application for admission.

SELECTION OF CANDIDATES

The Board of Admission meets in April each year to evaluate records of applicants to the Freshman Class. Its object is to admit students whose academic and health records testify to a capacity for carrying on college studies successfully and whose personal qualifications give assurance that they will be responsible members of the community. Both past achievement and promise of future achievement are given weight in this evaluation.

Besides the school record, the principal's recommendation, and the records of College Board tests, the Board of Admission utilizes such information as the results of psychological tests (for example, the Iowa Silent Reading Test and the American Council Psychological Tests) and records of the New York State Regents' examinations when these data are available. All credentials should reach the Board of Admission by March 15 in the year of entrance.

A deposit of \$50 must be made by June 5 if the student wishes to accept a place in the College. This deposit is not refunded in case of withdrawal before entrance.

ENTRANCE REQUIREMENTS

An important relationship exists between school and college work. In planning her preparation for entrance, a candidate should bear in mind the three different ways in which this relationship will affect her own college studies.

Primarily, the preparatory program recommended below is intended to assure

ADMISSION OF UNDERGRADUATES

for the student a satisfactory basis for the work which she will be asked to do on a college level. The discipline and the knowledge acquired from the study of English languages, mathematics-science, and history have a general bearing upon all college studies.

In addition, a student who has discovered special interests in school and has equipped herself to enter immediately upon more advanced work in college may take advantage of certain exceptions and special provisions and proceed more rapidly toward concentration. Conversely, a student who is specially qualified in English, languages, or history but whose main interest lies elsewhere may take advantage of exemption in order to release time for the pursuit of other subjects. Information concerning requirements and exemptions will be found on page 40.

As basic foundation for college work, the student should have completed a four-year secondary school program giving sixteen year credits and corresponding to one of the curricula presented below. The elective work may be in language, mathematics, science, history, art, Bible, or music. For special information concerning entrance credits for art, Bible, and music, apply to Board of Admission.

<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>	<i>Subject</i>	<i>Credits</i>
English	4	English	4	English	4
Language	3 *	Language	5 **	Language	5 **
{ Mathematics	4 †	Algebra	1	{ Mathematics	4 †
{ Science	2 ‡	Geometry	1	{ Science	1
History	2 ‡	History	2 ‡	History	1
Elective	3	Elective	3	Elective	2
Total	<u>16</u>		<u>16</u>		<u>16</u>

* Or two years in each of two different languages, making a total of four. No credit will be given for a single language course.

† Three in mathematics and one in science, or four in mathematics.

‡ In different fields.

** One of the languages should be Latin or Greek.

The College is aware of the fact that there is variation among school curricula throughout the country. It is willing to give careful consideration to able students whose programs deviate at some points from those suggested above.

ENTRANCE TESTS

Candidates for admission to the Freshman Class are required to take the Scholastic Aptitude Test and three Achievement Tests. One Achievement Test must be in English; the others must be selected from two of these fields: (1) foreign languages (French, German, Latin, Spanish), (2) mathematics or science (intermediate mathematics, advanced mathematics, biology, chemistry, physics), (3) social studies (history).

All candidates will be required to take these tests in their senior year. Students who complete the school course in June will be expected to take the three Achieve-

ADMISSION OF UNDERGRADUATES

ment Tests in March of that year and the Aptitude Test in January or March. If they take the Aptitude Test in January, they should not repeat it in March. Those students who are graduated in the middle of the year may take all the tests in January.

COLLEGE BOARD REGULATIONS

The College Entrance Examination Board will send free of charge to any school or applicant a copy of its *Bulletin of Information and Sample Tests* which contains full data concerning application, fees, and examination centers. The Board has set the following examination dates for 1951-52 and 1952-53:

1951-52
December 1, 1951
January 12, 1952
March 15, 1952
May 17, 1952
August 13, 1952

1952-53
December 6, 1952
January 10, 1953
March 14, 1953
May 16, 1953
August 12, 1953

All candidates, except those living in states or foreign areas listed below, should make application by mail to the *College Entrance Examination Board, Box 592, Princeton, New Jersey*. Those who wish to take the examinations in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii, Alberta, British Columbia, Mexico, Australia, Pacific islands including Formosa and Japan should address their inquiries and send their applications to the *College Entrance Examination Board, Box 9896, Los Feliz Station, Los Angeles 27, California*.

In order to facilitate the arrangements for the conduct of the tests all applications should be filed as early as possible. The fee for the Scholastic Aptitude Test taken alone is \$6; for the Achievement Test alone \$8; for the Aptitude Test and the Achievement Tests taken on the same day \$12. Applications and fees should reach the office of the Board not later than the dates specified in the *Bulletin of Information and Sample Tests*. The final date for filing application for examination at an established center outside the United States, Canada, Canal Zone, Mexico and the West Indies is approximately one month prior to the date of the examination. Late applications will be subject to a penalty of \$3 in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date. Under no circumstances will an application from a candidate in the United States, Canada, Canal Zone, Mexico or the West Indies be accepted if it is received at a Board office later than one week prior to the date of the examination.

Requests for the establishment of new overseas centers should reach the appropriate Board office at least three months prior to a scheduled examination date.

ADMISSION OF UNDERGRADUATES

The College Entrance Examination Board will report the results of the tests to the institutions indicated on the candidates' applications. The College will, in turn, notify the candidates of the action taken upon their applications for admission. No reports on the tests will be sent to candidates by the Board.

FOREIGN STUDENTS

Smith College is interested in admitting foreign students and is willing to make exceptions for students who give evidence of ability to do college work. Applicants are advised to communicate with the Director of Admission well in advance of entrance in order that the College may advise them concerning entrance plans.

ADVANCED STANDING STUDENTS

The College admits each year a number of sophomores and juniors by transfer from other colleges. Candidates for admission with advanced standing should be able to submit official statements of entrance and college records, including the results of the Scholastic Aptitude Test or the College Transfer Test of the College Entrance Examination Board, and a letter of honorable dismissal from the college previously attended. Their school and college programs should correlate with the general college requirements given on p. 40 of this *Catalogue*.

Admission to advanced standing is competitive. Successful candidates are given credit without examination for acceptable work taken at another college. Shortages incurred when previous work is not accepted for the Smith College degree may be removed by carrying hours above the minimum or taking work in an approved summer school. During their first semester in residence, advanced standing students may not elect more than seventeen hours except by permission of the Administrative Board. At least two years' residence at Smith College is ordinarily required of a candidate for the degree of Bachelor of Arts.

READMISSION

A student who has withdrawn from college may apply to the Administrative Board for readmission. Application for readmission in September should be sent to the Registrar before April 1; for readmission in February before December 1.

In general, students who have withdrawn from college at the end of the first semester will be permitted to return only in the following February.

NONCOLLEGIATE STUDENTS

Qualified persons beyond the age of the undergraduate may be admitted to courses of study or to supervised research work with the approval of the Registrar and the instructor concerned. The fee is \$30 per semester hour.

Auditors should obtain the permission of the Registrar and of the instructor concerned. The fee for auditing is \$5 per semester course.

The Curriculum

As candidates for the degree of Bachelor of Arts, undergraduate students normally follow a four-year program in which they are required to complete one hundred and twenty hours of academic work as well as prescribed courses in physical education.* For graduation they must achieve a cumulative average of C (fair) in their academic work and a C average in the senior year; in computing these averages plus and minus signs are not taken into account. The minimum schedule for a semester consists of fifteen credit hours.

When plans can be approved before the end of the freshman year, it is possible in special cases for students to complete the work in three years by attending summer sessions elsewhere. Only in rare instances is the degree granted after a residence at Smith College of less than two years, one of which must be the senior year.

ORGANIZATION OF THE CURRICULUM

DIVISION I. THE HUMANITIES

- Group A. *Literature*: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature
GROUP B. *Fine Arts*: Art, Music, Theatre
GROUP C. *Philosophy, Religion*

DIVISION II. SOCIAL SCIENCES AND HISTORY

- GROUP D. *History*
GROUP E. *Social Sciences*: Economics, Education, Government, Sociology, Social Science

DIVISION III. NATURAL SCIENCES AND MATHEMATICS

- GROUP F. *Physical Sciences and Mathematics*: Astronomy, Chemistry, Geology, Physics, Physical Science; Mathematics
GROUP G. *Biological Sciences*: Bacteriology, Botany, Psychology, Zoology, Biological Science

Speech and Physical Education are associated with Divisions I and III respectively.

* For this requirement in Physical Education see page 109.

THE CURRICULUM

GENERAL COLLEGE REQUIREMENTS

The program of the first two years of the college course is generally diversified, while the last two years are devoted primarily to study in a major field which is chosen at the end of the sophomore year.

Because the College considers experience in certain fields of knowledge essential to a liberal education, it has set a number of special and distribution requirements to be completed by the end of the junior year.

SPECIAL REQUIREMENTS

- (1) Six semester hours in Freshman English, required in the first year.

A few students with exceptionally high entrance records in English will be exempted from the requirement. Such students will be notified of exemption in the summer and may, if they wish, elect a Grade II course in English. A list of courses open to them will be sent with notification of exemption.

Freshmen who do not pass English 11 with a satisfactory grade must work tutorially in sophomore year with the Committee on Special Assistance in Written English.

- (2) Six semester hours in a foreign language. The minimum prerequisite for courses which fulfill the requirement is three entrance units in a language or six hours in college. Courses which fulfill the requirement are marked (L) and are offered in the following departments: Classics, French, German, Italian, Russian, Spanish.

NOTE—A 12 language course will not fulfill the requirement for students entering with two units in the language.

- (3) A knowledge of the fundamentals of hygiene. This requirement may be met in one of several ways as described under the Department of Hygiene and Bacteriology.

DISTRIBUTION REQUIREMENTS

- (1) Six semester hours in literature (Group A: Classics, English, French, German, Italian, Russian, Spanish, Biblical Literature, General Literature). This course must be taken in a language other than the one used to fulfill the foreign language requirement.

Students entering without units in Latin or Greek must fulfill this requirement through courses in classical literature either in the original or in translation.

- (2) Six semester hours in Art, Music, Theatre (Group B) or Philosophy, Religion (Group C).

Students are urged to take six semester hours in each group if possible.

THE CURRICULUM

- (3) Six semester hours in History (Group D).

Exemption from this requirement will be granted to students who offer at least three units of the proper content: ancient, American, European (medieval and modern, or modern since 1600), and who pass an examination in one of these fields, administered by the Department after the opening of college.

- (4) Six semester hours in Government, Economics, Sociology, or Social Science (Group E).

In rare cases students with preparation in these fields may be granted exemption on the basis of an examination. Application should be made to the Class Dean.

- (5) Six semester hours in Astronomy, Chemistry, Geology, Physics, Physical Science (Group F) or Botany, Zoology, Biological Science (Group G).

The courses which may be taken to fulfill these distribution requirements are named at the head of each department offering and specified in the list of Interdepartmental Courses, on p. 48.

THE MAJOR

In the junior and senior years the student devotes half or more of her time to study in a single field selected on the basis of a course or courses taken in the first two years. Major programs, which are offered in all departments except Hygiene, Physical Education, and Speech, are described under the department offerings (see pp. 50 ff). When a student enters upon her major she comes under the direction of a major adviser and obtains the approval of that adviser for her major program.

Of the thirty semester hours required in the major at least eighteen must be in courses of Grade III or higher in the field of concentration and of these twelve must be in the department. Students are required to take not less than twelve hours in the major field in each of junior and senior years. Courses taken in sophomore year, exclusive of the basic course, may be counted in the major.

At least six semester hours in the junior or the senior year must be taken in a division other than the one in which the student is majoring.

In the junior and senior years not more than twelve semester hours of Grade I, and not less than twenty-four semester hours above Grade II may be taken for credit toward graduation.

INTERDEPARTMENTAL MAJORS

The curriculum also includes interdepartmental majors in American Studies, General Literature, Bacteriology, Physiological Chemistry, Premedical Science, Theatre (see pp. 136 ff).

THE CURRICULUM

THE JUNIOR YEAR ABROAD

Students in good standing and with sufficient language training may, if conditions permit, spend the junior year in certain foreign countries in groups directed by members of the Smith College Faculty. The Junior Years in France, Italy, and Spain are intended primarily for language majors and the Junior Year in Geneva primarily for students majoring in economics, government, history, or sociology. However, majors in other fields with adequate preparation in language may apply to the appropriate committees with the consent of the department of the major. Properly prepared students from other colleges may be admitted to the groups.

The Junior Years Abroad are planned to afford as rich an opportunity as possible to observe and study the countries visited. Art, music, and theatre are available in the different cities and the Directors arrange occasional meetings for the groups with outstanding scholars, writers, and leaders. During the vacations students are free to travel to broaden their acquaintance with the country, although they may stay in residence if they prefer.

Applications, including permissions from parents, must be made by January 15 to the Dean of the Sophomore Class. The size of the group and the selection of candidates will be determined by a faculty committee for each group. It is expected that applicants will have met all the college requirements of the first two years and any special conditions set by the Committees on the Junior Year Abroad. The physical condition of each student must be passed upon by the College Physician.

The Director of the group is granted by the College full control in matters of behavior and discipline, although the details of group procedure will be worked out with a student committee. The students are subject to social regulations similar to those that obtain in Smith College, but adapted to the different countries. The supervision of the Director ends with the close of the college year in each country.

The fee covering tuition and board is \$1800; travel and incidental expenses vary according to individual tastes and plans. A deposit of \$50 is payable by May 1 by students who have been provisionally accepted. It will be credited on the second semester bill and will not be refunded unless notice of withdrawal from the group is sent the Class Deans' office before June 1. Payment for the first semester should be made by August 15 in the case of students going to France, Geneva, Spain, and Italy, for the second semester by January 15. Checks should be sent to the Treasurer of Smith College, Northampton.

Neither the College nor the Director assumes or accepts any responsibility for personal injury to members or damage to or loss of property of members. Students are required to carry health and accident insurance which is available through a general college plan.

THE CURRICULUM

FRANCE: Arrangements are made for students to live in Paris with carefully selected families or in a club such as Reid Hall. Full-time junior programs consisting of work in French literature, history, and art, and other aspects of French culture are planned by the Director. Courses are given by professors from the Sorbonne and other institutions. The language requirement for admission to the group is usually two years of college French if the student has entered with three units.

ITALY: The work of the year begins with a month in Perugia where intensive study of the language is undertaken at the University for Foreigners and with the Director. After the first of October this study is continued in Florence. The middle of November the group starts work in classes conducted especially for Smith College by professors of the University of Florence. The subjects offered are Italian art, history, language and literature. In Perugia the students stay in a first-class hotel or pension; in Florence they live in private homes chosen by the Director. The minimum requirement for admission is normally two years of college Italian. By special action of the committee promising students with only one year of Italian may be accepted.

SPAIN: After a preliminary month of intensive training in language spent in one of the provincial cities, the juniors go to Madrid for the year's course of study. There they live either with carefully selected families or in a Residence for University Women. Full-time junior programs consisting of courses in Spanish literature, philosophy, history and art are planned by the Director and given by professors from the University of Madrid and other institutions. A minimum of two years of college Spanish is the normal requirement for admission.

GENEVA: The work in Geneva consists of international studies instead of the history and culture of a single country, and accordingly the group is composed primarily of majors in history, government, economics, and sociology. The courses permit the students, through work in the Graduate Institute of Higher International Studies and the University of Geneva, to study plans for world cooperation. Classes are available in diplomatic and contemporary history, international economics and finance, international law, and similar subjects. As the courses are given in French students are expected to pass one year of the language in college if they have entered with three units, and all applicants should pass at least one course in French in the second semester of sophomore year. Any students who do not fulfill these requirements will be tested for their proficiency in the language. It is strongly urged that work in at least two fields of the social sciences be offered.

TORONTO: Since 1945 an exchange of students in the junior class with juniors at the University of Toronto has proved to be highly successful. For the year the Smith juniors live in the colleges of the University and carry on programs approved by their major advisers. Candidates from Smith must have demonstrated

THE CURRICULUM

their ability to do work of Dean's List rating and have the approval of the chairman of their major department. Not more than eight exchanges will be arranged in any year. Regular Smith College fees, covering residence and tuition at the University of Toronto, will be paid to the Treasurer of Smith College by exchange students.

THE DEGREE WITH HONORS

PURPOSE: Honors work is designed to offer for properly qualified students certain advantages normally not possible in the regular majors. It permits more flexibility in the arrangement of individual programs, a greater measure of individual instruction, and a greater opportunity for integrating the work done. It is intended to give more freedom to those who wish it and at the same time to provide recognition for those who have demonstrated their ability to do work of high quality.

AWARD: The degree is awarded with honors in three grades, *summa cum laude*, *magna cum laude*, and *cum laude*, based on (a) an independent piece of work which may involve the preparation of a long paper or the conduct of an investigation, (b) an estimate of the work in courses and units in the major field made by the department of the major, (c) three final examinations.

If a student fails to be awarded honors she will be granted a degree without honors if her work is of sufficient merit.

ADMISSION: A student having an average of B for the three semesters preceding her application is eligible for honors. Other students will be admitted on the recommendation of the department of the major and with the approval of the Committee on Honors.

Subject to special requirements of individual departments students may enroll at the beginning of either semester of junior year or at the beginning of senior year. They may withdraw only upon recommendation of the department of the major and the approval of the Committee.

PRIVILEGES: An honors candidate will have (a) the greatest possible elasticity in the arrangement of her program (with the permission of the director she may carry less than fifteen hours), (b) preference over other undergraduates when admission to units or seminars must be limited, and over other honors candidates according to priority of candidacy, (c) exemption from all course examinations at the end of senior year.

The specific requirements in each department will be found under the department offerings.

ACADEMIC RECORD

Grades are given with the following significations: A, excellent; B, good; C, fair; D, poor; E, failure.

THE CURRICULUM

Students are named on the Dean's List when in the previous year they have achieved an average of B or better.

Students who fail to maintain diploma grade or fail to register and attend classes in accordance with the regulations are placed on the Registrar's List. They are subject to special requirements in attendance of classes. Further details concerning the Registrar's List are printed in the *Rules and Regulations*.

A shortage of hours incurred through failure in a course must be made up before graduation by an equivalent amount of work carried above the minimum.

A student whose college work is generally unsatisfactory is subject to exclusion from college.

A student who has failed in the work of five or more hours in two consecutive semesters or in any three semesters, or has failed in the work of ten or more semester hours in a year is excluded from college unless special exception is made by vote of the Administrative Board.

PHI BETA KAPPA

The Zeta of Massachusetts Chapter of the Phi Beta Kappa Society was established at Smith College during the year 1904-05, and the first undergraduates were elected to membership in April. In 1920 provision was made for the election of a small number of juniors. Rules of eligibility are established by the Chapter in accordance with the regulations of the national society.

SOCIETY OF THE SIGMA XI

Smith College was the first woman's college to be granted a charter for the establishment of a chapter of the Society. Each year the Chapter elects to membership promising graduate students and seniors who excel in two or more sciences.

RULES GOVERNING ELECTION OF COURSES

1. Each student is expected to make herself familiar with all regulations governing the curriculum.
2. Certain conditions require the presentation of permission slips or of petitions to the Administrative Board. (A petition to the Board requires the recommendation of the chairman of the department and of the instructor concerned.)
 - (a) Students who wish to enter a course for which they have not had the stated prerequisite must file a petition with the Administrative Board.
 - (b) Freshmen and sophomores who wish to enter a course of a higher grade than is normally open to their class must file a petition with the Administrative Board. Exceptions in the languages and sciences are made for those students who have the stated requirements.
 - (c) Juniors not taking honors work who wish to enter a course of Grade

THE CURRICULUM

IV must have the permission of the department concerned and file a petition with the Board.

(d) Seminars of Grade IV, limited to ten students, are open to juniors and seniors only by permission of the instructor. Students not candidates for honors are permitted to take only one seminar in a semester.

(e) Special Studies of Grade IV are open only by permission of the department. They are limited to seniors who have had twelve semester hours above Grade I and are majoring in the department concerned.

(f) Grade V courses are open to seniors only if they have a major or its equivalent in the department and if they have at least a B average in that major. Under these conditions they may be admitted by permission. They may not carry more than three hours of Grade V work a semester except in technical art and practical music unless they have special permission from the Administrative Board.

(g) A student may not carry in any semester less than the required minimum of fifteen hours or more than two hours above the required minimum except with the permission of the Administrative Board.

A shortage of hours permitted by the Administrative Board may be made up by a corresponding excess of hours distributed over succeeding semesters.

(h) A year course may not be entered in the middle of the year except with the permission of the Administrative Board and the consent of the department concerned. When a year course is dropped, credit for the first semester is not allowed except with the recommendation of the instructor and the chairman of the department and the permission of the Administrative Board.

3. In each semester of the freshman and sophomore years the student must carry at least four three-hour courses.
4. Changes in courses may be made without fee until September 15. Thereafter changes may be made through the first week of college only at a charge of five dollars, unless the change has been initiated by an instructor or is the result of curriculum changes beyond the student's control. Exception is made for freshmen and advanced standing students who may change courses without fee through the first ten days of the first semester.
 - (a) Requests for these changes must be filed in the Office of the Class Deans on official blanks.
 - (b) If changes on the course cards are made necessary by reason of carelessness on the part of the student a fee of two dollars is charged.
 - (c) Permission to drop hours of work carried above the minimum will not be granted after November 15 for the first semester and after April 3 for the second semester.
5. A student is not allowed to attend a class either as an occasional or a regular auditor except with the permission of the instructor in charge of the course.

Smith College

COURSES OF STUDY

1952-1953

Key to Symbols and Abbreviations

Courses are arranged in five grades indicated by the first digit in the course number. Those of Grade I are primarily for freshmen, those of Grade II for sophomores. Courses of Grade III are for juniors and seniors, but are also open to sophomores when a statement to that effect is included in the description. Grade IV courses are for seniors, honors students, or qualified juniors. Grade V courses are for graduate students.

An "a" after the number of a course indicates that it is given in the first semester; a "b" that it is given in the second semester.

Where no letter follows the number of the course, the course runs through the year.

Unless otherwise indicated, all year courses carry credit of six hours; all semester courses, three hours.

The numerals after the letters indicating days of the week show the scheduled hours of classes. Where scheduled hours are not given for courses or for laboratory work, the times of meeting are arranged after elections are made.

[] Courses in brackets will be omitted for the year.

Dem. indicates demonstration; Lab., laboratory; Lec., lecture; Rec., recitation; Sect., section; Dis., discussion.

An "L" in parentheses at the close of the description of a course in the literature departments indicates that it may be taken to fulfill the foreign literature requirement.

Explanation of marks before instructors' names: † Absent for the year; * absent for the first semester; ** absent for the second semester; || with the juniors in France; ‡ with the juniors in Spain; § with the juniors in Geneva; | with the juniors in Italy; ¹ appointed for the first semester; ² appointed for the second semester.

INTERDEPARTMENTAL COURSES

SOCIAL SCIENCE 192. *An Integrated Study of Modern American Society.* An introductory analysis of physical and human resources, principal ideas and institutions, social structure, and current issues. Some of the methods and materials of economics, political science, and sociology are employed. Open to a limited number of freshmen and sophomores. Lec. M 11; Rec. T W 11, 12. Mrs Taber (*Director*), Mr Chinoy, Mr Matthews. (Group E)

PHYSICAL SCIENCE 193. *The World of Atoms.* An introductory study of modern atomic theory by means of relevant aspects of chemistry and physics, including developments of current interest. Emphasis is placed on the logic of science and the nature of the evidence rather than on technical applications. Three lectures and one discussion. Lec. Th F S 9; Dis. W 10, 2. Mr Sherk (*Director*), Mr Kofsky. (Division III)

PHYSICAL SCIENCE 194. *The Earth in Time and Space.* The chemical, physical and geological nature of the earth and its relation to the solar system and the universe. Theories of the origin of the earth, solar system, and universe. Open to a limited number of freshmen and sophomores. Lecture, three hours; laboratory and demonstration, two hours. Lec. M T W 12; Lab. W 2-4, Th 9-11. Miss Gill (*Director*), Mr Schalk, Mr Soffer. (Division III)

BIOLOGICAL SCIENCE 195. *The Living World.* Life as exhibited in the form, function, inheritance, and evolution of living organisms, with special emphasis on the relationship of man to the equilibrium of nature. This course is not open to students who have taken a course of Grade I in botany or zoology. Lecture and demonstration, three hours; laboratory, two hours. Lec. M T 9; Dem. W 9; Lab. W 11-1, Th 11-1, 2-4, F 11-1, 2-4. Mr Driver and Miss Kemp (*Co-directors*), Miss Barraclough. (Division III)

GENERAL LITERATURE 291. *A Study of Selected Literary Masterpieces from Homer to Tolstoy.* For sophomores. Lec. W 2; section meetings, M T W 11, 12, W Th F 2, Th F S 10, 12. Mr Arvin (*Director*), Mr Guilloton, Miss Muchnic, Mr Fisher, Miss Sperduti. (Group A)

HUMANITIES 292a. *The Traditional Conflict of Reason and Myth.* An introductory study, to explore the shifting boundaries between science, imagery, and superstition. For sophomores. T 2 W 2-4. Mr Wind.

HISTORY AND SOCIAL SCIENCE 293. *American Ideas and Institutions.* A study of American life and thought through the intensive analysis of four representative generations from the eighteenth to the twentieth century. The adaptation of

INTERDEPARTMENTAL COURSES

American values to changing economic, political, and social conditions. Th F S 10. Miss Bornholdt, Mr Davies, Miss Kenyon.

HISTORY AND SOCIAL SCIENCE 294. *Contemporary India and its Role in Asia*. This course will focus on the political, economic, and social developments in India since 1947. M T W 10. Mrs Dean.

PHYSICAL SCIENCE 391a. *Frontiers of Science*. Development of topics selected to illustrate the spirit of intellectual adventure of modern science. For 1952-53: cosmic rays, crystals and atomic architecture, island universes, waves and particles. Not open to majors in physical sciences. Prerequisite, completion of the distribution requirement in science. Lectures and discussion with occasional conferences. M T W 12. Miss Mohler (*Director*), Miss Wrinch, Mrs Payne-Gaposchkin of Harvard College Observatory.

HUMANITIES 491b. *Metaphor, Symbol and Myth*. The forms of imaginative association common to poetry, magic, myth, dreams, the unconscious, and the thinking of primitive men and of children. These will be studied in relation to the role of symbols, fictions and analogies in contemporary literature, art, religion, politics and the social sciences. By permission of the instructor. Th F S 10. Mr Davis.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. Subject for 1953: Marxism. By permission of the director.

ART

PROFESSORS:	CLARENCE KENNEDY, PH.D. OLIVER WATERMAN LARKIN, A.M., <i>Chairman</i> EDGAR WIND, PH.D. HENRY-RUSSELL HITCHCOCK, A.M., <i>Director</i> of the Museum
ASSOCIATE PROFESSORS:	PRISCILLA PAINE VAN DER POEL, A.M. MERVIN JULES †PHYLLIS WILLIAMS LEHMANN, PH.D. H. GEORGE COHEN
ASSISTANT PROFESSORS:	†RANDOLPH WARDELL JOHNSTON ELEANOR DODGE BARTON, A.M., <i>Acting Chairman until</i> <i>September</i>
LECTURER:	RUTH WEDGWOOD KENNEDY, A.B.
INSTRUCTORS:	MARGERY ANN WILLIAMS, A.M. GEORGE SWINTON, B.A.

The courses in art which may be taken to fulfill the distribution requirements in Group B are 11, 31, 35, 13.

Students planning to major or to do honors work in art will find that courses in literature, philosophy, religion, and history taken in the first two years will prove valuable. Botany 11 and 27 are recommended to students who have a special interest in landscape architecture.

A. Historical Course

Each of the historical courses may include one or more trips to Boston, New York, or the vicinity for the study of original works of art.

A reading knowledge of foreign languages, especially German, Italian, and French, is urgently recommended.

11 *An Historical Introduction to Art.* W Th F 3; discussion meeting, choice of T 12, 2, W 11, Th 10, 12, F 10, 11, S 10. Members of the Department. *Director*, Miss Barton.

[31 *The Art of Greece and Rome.* Architecture, sculpture, painting, and the minor arts as conditioned by social, intellectual, and religious history from the prehistoric background to the late antecedents of Christian art. Open also to sophomores. Th F S 9. Mrs Lehmann.]

33b *Mediaeval Art.* Early Christian, Byzantine, Romanesque and Gothic architec-

ture, sculpture, illuminated manuscripts and painting. Open also to sophomores. Recommended background, 11 or History 11. Th F S 9. Miss Williams.

[34a *Northern Art*. Flemish, French, and German art from the fourteenth through the sixteenth century. Open also to sophomores. Prerequisite, 11. Alternates with 311a. M T W 9. Miss Barton.]

34b *Art in Northern Europe, France, and Spain in the Seventeenth and Eighteenth Centuries*. Open also to sophomores. Prerequisite, 11. M T W 9. Miss Barton.

35 *The Art of the Italian Renaissance*. Development of the arts in Italy from 1290 to 1594, with special emphasis on their interrelationships and on the emergence of a consistent theory of art. Lectures, problems, and field trips. Open also to sophomores. Recommended background, 11 or History 11. M T W 11. Mr Kennedy and Mrs Kennedy.

37a *Titian and the Renaissance in Venice*. M 4, T 4-6. Mrs Kennedy.

[37b *Donatello*. M 4, T 4-6. Mr Kennedy.]

311a *Italian Art of the Seventeenth and Eighteenth Centuries*. A study of the major artists of Italy in the Baroque period. Open also to sophomores. Prerequisite, 11. Alternates with 34a. M T W 9. Miss Barton.

313a *The Arts in America*. The colonial period through the years of the expanding republic; painting, sculpture, architecture, graphic art, and the crafts as an expression of thought and taste. Recommended background, 11 or a course in American history. M T W 12. Mr Larkin.

313b *The Arts in America*. The Civil War to the present. Recommended background, 11 or a course in American history. M T W 12. Mr Larkin.

315 *Modern Art*. Contemporary art and its backgrounds. Recommended background, 11. Th F S 10. Mrs Van der Poel.

321 *Decorative Styles*. A general survey of European and American thought and taste as expressed in interior design, furniture, and textiles from the mediaeval period to the present. Also open to sophomores. Th F S 12. Mrs Van der Poel.

[326 *English Architecture*. History of architecture in the British Isles since the Middle Ages with emphasis on those aspects which influenced America; on gardens; on city planning. Recommended background, 11, or courses in English history or literature. Alternates with 327. M T W 2. Mr Hitchcock.]

ART

- 327 *Modern Architecture and Its Immediate Background.* Architecture of the last hundred years with particular emphasis on the work of H. H. Richardson, Louis Sullivan, Frank Lloyd Wright and the European architects of the so-called "International Style." Open to sophomores by permission of the instructor. Alternates with 326. Th F S 11. Mr Hitchcock.
- 329b *The Book as a Work of Art.* The study of the type, the page design and the illustration of books from the Renaissance to the present. M T W 2. Mr Kennedy.
- 40b Integrating Paper. *Director*, Miss Barton.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours of art above Grade I. *Two or three* hours.
- 42a *The Criticism of Art.* Principles and practice of analyzing, interpreting and judging works of art from the Renaissance to our time. Lectures, reading, papers. Open only to senior art majors. M T W 10. Mr Larkin.
- 42b *Contemporary Criticism of Art.* Prerequisite 42a. M T W 10. Mr Larkin.
- [43a *Seminar in Greek Sculpture.* Alternates with 44a. By permission of the instructor. Mrs Lehmann.]
- [44a *The Antique and the Italian Renaissance* (seminar). The survival and rediscovery of ancient works of art and their influence on such Italian Renaissance artists as Alberti, Mantegna, Raphael, Michelangelo, Titian, Palladio. Alternates with 43a. W 7:30-10. Mrs Kennedy and Mrs Lehmann.]
- [45a *Seminar in English Art of the Eighteenth Century.* For seniors by permission of the instructor. M 8-10. Mr Wind.]
- 45b *Seminar in the Iconography of the Renaissance and Reformation.* For seniors by permission of the instructor. M 8-10. Mr Wind.
- History 46b *The Renaissance in Italy and Its Reflection in Art* (seminar). Open to junior and senior majors in art and history. Miss Gabel and Mrs Kennedy.
- 50, 50a, 50b Research and Thesis. *Three or six* hours.
- 51, 51a, 51b Advanced Studies. *One hour or more.*
- 55 *Art of the Italian Renaissance.* Mr Kennedy and Mrs Kennedy.
- 57a, 57b *Modern Art.*

For further information about graduate work in art, application should be made to the chairman of the Department. Adviser of graduate study: Miss Barton.

B. Studio Courses

A fee is charged for materials in 13, 212, 333, 335, 336, 341, 342a and b.

- 13 *Introduction to Art*. Appreciation and understanding of the basic principles underlying the structure of the arts, through a study of the visual and aesthetic properties of color, volume, movement, space, line and texture. Lectures, demonstrations, films, discussion, and workshop experiments. M 9; eight studio hours of which four must be T W 10-12, 2-4, Th F 10-12. Director, Mr Jules.
- 210 *Principles, Methods and Techniques of Drawing and Painting*. Class and individual studio projects in creative pictorial organization, utilizing and exploring the expressive possibilities of various drawing and painting media and techniques. Prerequisite, 13. Students must consult the instructor before enrolling. Nine studio hours of which six must be M T W 10-12. Mr Cohen.
- [212 *Elementary Sculpture*. Basic elements of sculptural design; modeling heads and figures from life, introduction to stone carving and the modeling and firing of terra cottas. Prerequisite, 13. Nine studio hours of which six must be M T 2-5. Mr Johnston.]
- 331 *Advanced Drawing and Painting*. Individual creative expression, with emphasis on the techniques of pictorial organization. Prerequisite, 210, 212, 335, or 336. Nine studio hours of which six must be Th F 2-5. Mr Jules.
- [333 *Advanced Sculpture*. Figure composition; life and portrait modeling; bronze casting; advanced work in stone and terra cotta. Prerequisite, 212. Mr Johnston.]
- 335 *Design Workshop*. Analysis of the elements of design and their organization. Open also to sophomores. Prerequisite, 13. Nine studio hours.
- 336 *Graphic Arts*. Print-making techniques as means of expression with emphasis on woodcut and etching. Open also to sophomores. Prerequisite 13 and permission of the instructor. Nine hours of which six must be M T 2-5. Mr Swinton.
- 339 *Introduction to Architectural Design*. Open also to sophomores. Nine studio hours.
- 341 *Introduction to Landscape Architecture and Planning*.
- 342a *The Art of Photography*. A study of the effect of light and perspective on form. Lectures, demonstrations and practice based on the use of one-minute positive cameras which, with film, will be available for student use. M T 2, practice hours to be arranged. Mr Kennedy.

ART

[342b *The Art of Photography*. Mr Kennedy.]

40b Integrating Project. *Director*, Mr Cohen.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in art. *Two or three* hours.

510 *Architecture*.

512 *Landscape Architecture*.

513a, 513b *Drawing, Painting, Sculpture, or Design and Graphic Arts*. Members of the Department.

THE MAJOR

Advisers: Mrs Van der Poel, Mr Jules, Miss Barton, Miss Williams.

Based on 11 or 13. If the major is based on 13, 11 must also be taken.

Essential Courses: 40b and eighteen semester hours in art of which at least nine must be from Division A.

Optional Courses: other courses in art; Philosophy 33; closely related courses in other fields.

HONORS

Director: Mrs Kennedy.

Prerequisites: 11 and 31 or 35.

Program: an arrangement, approved by the director, of courses and special studies in art and related fields in preparation for general examinations.

Examinations: three written examinations of which the first will test the student's scholarship in specific fields of art history, with emphasis on bibliography, museum sources, and other source materials; the second and third will comprise essays.

ASTRONOMY

ASSOCIATE PROFESSOR: MARJORIE WILLIAMS, PH.D., *Chairman*, Director of the Observatory

ASSISTANT PROFESSOR: JOCELYN RUTH GILL, S.M.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Astronomy 11 and Physical Science 194.

Students planning to major or to do honors work in astronomy are expected to complete Mathematics 12 or 13 in freshman or sophomore year and are therefore strongly urged to offer three units of mathematics for entrance. They are advised

to take Astronomy 11 and Mathematics 12 or 13 in freshman year and Mathematics 21 or 22a, elementary physics or chemistry, and German before junior year. See also the statement for honors.

The prerequisite for 22a and 23b is 11, 21a or b, Physical Science 194, or permission of the instructor.

- 11 *General Astronomy*. Physical characteristics and motions of members of the solar system and the sidereal universe; observations of constellations, sun, moon, and planets. Recitation, discussion, and daytime laboratory, three hours; evening laboratory and observing dependent on the skies, averaging three hours. Th F S 11. Miss Williams.
- 21a *Descriptive Astronomy*. Designed to give a general knowledge of the field. Opportunity for learning the constellations and for using the telescopes. For students who have not taken 11. M T W 10. Miss Gill.
- 21b Repetition of 21a. M T W 11.
- 22a *Observatory Practice*. Training in the use of visual and photographic telescopes and other equipment. Observations of sunspots, lunar and planetary detail, occultations, variable stars, other telescopic objects. Collateral reading. Recitation and conference, three hours; observing and laboratory, four hours.
- 23b *Variable Stars*. Physical characteristics of the various types. Discussion of methods of observation and of obtaining periods and light curves. Miss Williams.
- 24b *Celestial Marine and Air Navigation*. Theory and practice in the determination of position on the earth, primarily from observations of celestial bodies. Prerequisite, the first semester of Mathematics 12 or trigonometry presented for entrance. Recitation and discussion, two hours; observing and laboratory, three hours. Miss Williams.
- 31a *Spherical and Practical Astronomy*. Theory and use of transit instrument for determination of time, latitude, and instrumental corrections. Prerequisites, 11 or the equivalent and Mathematics 12 or 13. Recitation and conference, two hours; observing and laboratory, four hours. Miss Williams.
- 31b *Spherical and Practical Astronomy*. Theory and use of the equatorial telescope. Determination of positions by means of photographic plates and the filar micrometer. Least squares. Prerequisite, 31a. Recitation and conference, two hours; observing and laboratory, two hours. Miss Williams.
- [34a *Introduction to Astrophysics*. Analysis of the light of the sun and stars. For

ASTRONOMY

students who have had approved courses in astronomy, physics, chemistry, or Physical Science 193 or 194. Miss Gill.]

[34b *Astrophysics and Stellar Astronomy*. Special problems of stars and galaxies, including motions and statistical methods of handling observational material. Prerequisite: see 34a. Miss Gill.]

35 *Determination of Orbits*. Methods of computing orbits of comets and planets. Theory and practice. Prerequisites, 11 and Mathematics 21 or 22a. Miss Gill.

40b Synoptic Course designed to correlate the work in the major field.

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in astronomy. *Two or three hours*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51a, 51b Special problems in astrophysics, practical astronomy, or celestial mechanics. *Three hours or more*.

Adviser of graduate study: Miss Williams.

THE MAJOR

Adviser: Miss Williams.

Based on 11, or an approved combination from 21a or b, 22a, Physical Science 194.

Essential Courses: 31a, 31b, 34a, 40b; Mathematics 21 or 22a.

Optional Courses: other courses in astronomy except 24b; other courses in mathematics above Grade I; Economics 38; courses in physics, chemistry, or geology.

HONORS

Director: Miss Williams.

Prerequisites: 11; Physics 11 or its equivalent.

Program:

Essential Courses: 31a, 31b, 34a, 34b; Mathematics 21 or 22a.

Optional: courses or units in astronomy, mathematics, or physics; in chemistry with the approval of the director.

Half of the work of first semester of senior year will be spent on a paper in the field of astrophysics, or on a problem in the field of practical astronomy or celestial mechanics; one fourth of the second semester will be spent in review for the examinations.

Examinations: two general examinations covering the fields of general astronomy, astrophysics, practical astronomy, physics, mathematics; one in the field of concentration, which may be a partly practical examination involving techniques and manipulation of instruments.

BOTANY

ASSOCIATE PROFESSORS:	SARA BACHE-WIIG, PH.D. MARGARET KEMP, PH.D. KENNETH E. WRIGHT, PH.D., <i>Chairman</i>
HORTICULTURIST:	WILLIAM I. P. CAMPBELL

SMITH COLLEGE GENETICS EXPERIMENT STATION

VISITING PROFESSOR:	ALBERT FRANCIS BLAKESLEE, PH.D., SC.D., LL.D.
VISITING ASSOCIATE	
PROFESSOR:	SOPHIE SATIN, SC.D. (hon.)
RESEARCH ASSOCIATE:	AMOS GEER AVERY, M.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Botany 11 and Biological Science 195.

Students planning to major in botany are advised to have a knowledge of general zoology or chemistry and a reading knowledge of German or French. See the honors program for additional preparation required.

Unless otherwise stated the prerequisite for all courses above Grade I is 11, Biological Science 195, or permission of the instructor.

- 11 *General Botany*. A study of the life processes and structure of seed plants with emphasis upon their relationship to the needs of man. A survey of representative types of other green and nongreen plants; reproduction, heredity, evolution. Two lectures and two two-hour laboratory periods. Lec. Th F 12. Lab. M T 9, 11, 2, Th F 9, 2. Miss Bache-Wiig, Miss Kemp, Mr Wright (*Director*).
- 22a *Economic Botany*. Plants useful to man as a source of food, spices, beverages, drugs, shelter, fuel, textiles, and the raw materials of many industries. Two lectures and one two-hour laboratory period. Lec. Th F 2; Lab. Th 3. Miss Kemp.
- 22b *Field and Forest Botany*. A study of ferns and flowering plants of the Northampton region. Principles of classification. Field trips in the spring. One lecture and five hours of laboratory or field work. Th F 2-5. Miss Bache-Wiig.
- 27 *Horticulture*. Theory and practice of plant cultivation and improvement, with a study of the species commonly cultivated and the preparation of gardens. Two lectures and two two-hour laboratory periods. Lec. Th F 10; Lab. Th F 11. Mr Campbell.

BOTANY

- 31a *Comparative Morphology of Lower Vascular Plants.* The vegetative and reproductive structures and evolutionary development of living and extinct ferns and fern allies, preceded by a brief study of liverworts and mosses. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.
- 31b *Comparative Morphology of Higher Vascular Plants.* The vegetative and reproductive structures and evolutionary development of the Gymnosperms and Angiosperms. Offered in alternate years. One lecture and five hours of laboratory. M T 2-5. Miss Kemp.
- [32a *Microtechnique.* Methods used in the preparation of various plant materials for microscopic study. Offered in alternate years. Six hours of laboratory. M T 2-5. Miss Bache-Wiig.]
- 33a *Plant Breeding.* The principles and problems of inheritance in plants and the methods by which man obtains new varieties. Offered in alternate years. M T W 10. Mr Wright.
- 33b *Plant Geography.* Climate and climatic plant formations of the world. Problems of distribution in relation to migration and barriers. Offered in alternate years. Two lectures and one recitation. M T W 10. Miss Bache-Wiig.
- 34a *Mycology.* The structure, life history, and habitat of representative species of the fungi, with emphasis on theories of origin and relationship. Prerequisite, 11 or Bacteriology 22. This course and Bacteriology 22 may serve as prerequisites for Bacteriology 42b. Offered in alternate years. One lecture and five hours of laboratory. Th F 10-1. Miss Bache-Wiig.
- [35 *Plant Physiology.* A study of plant processes and functions. Offered in alternate years. Two lectures and two two-hour laboratory periods. M T W 11-1. Mr Wright.]
- [38a *Plant Materials.* Study of trees, shrubs, and herbaceous plants, with emphasis on the identification of woody ornamental plants. Lectures, laboratory, and field work. For students who have passed or are taking Art 341 or have passed a course in botany. M T 2-5.]
- [38b *Planting Design.* Study of trees, shrubs, and herbaceous plants, in relation to their use in landscape art, and the design of simple planting compositions. Lectures, problems, trips. For students who have passed 38a or have passed or are taking Art 341. M T 2-5.]
- 40b Directed Reading and Review. Members of the Department.
- 41, 41a, 41b Special Studies: work in morphology, anatomy, physiology, ecology, mycology, pathology. By permission of the Department for senior majors

BOTANY

who have had twelve semester hours in botany above Grade I. *Two or three hours.*

Art 341 *Introduction to Landscape Architecture and Planning.*

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies in the fields of morphology, anatomy, physiology, mycology, arranged in consultation with the adviser of graduate work. *One hour or more.* Miss Kemp, Mr Wright.

52a, 52b Selected problems in a specific field of botany assigned for investigation, experimental work, and discussion. *One hour or more.*

553 Apprenticeship Summer Course in Plant Genetics. Students are offered the opportunity of learning research methods, techniques, and aims through assisting in the current research of the Genetics Experiment Station. For graduate students it is recommended that this course be elected in the summer preceding the first academic year of a program in this field. *Three hours.* Mr Blakeslee, Miss Satin, Mr Avery.

54a, 54b Seminar on problems and methods in modern plant genetics. *One hour.* Mr Blakeslee, Miss Satin, Mr Avery.

55, 55a, 55b Laboratory Practice in Cytogenetics. Preferably taken with 54a or b. *Two hours.* Mr Blakeslee, Miss Satin.

56a, 56b Seminar on recent advances and current problems in botany. Selected topics for reading and individual reports. *One hour.* Members of the Department.

Adviser of graduate study: Mr Wright.

THE MAJOR

Adviser: Miss Kemp.

Based on 11 or Biological Science 195.

Essential Courses: 40b and eighteen hours in botany of which at least twelve must be above Grade II.

Optional Courses: other courses in botany above Grade I; Art 341; courses in bacteriology, chemistry, geology, physics, and zoology.

HONORS

Director: Miss Kemp.

Prerequisites: 11; chemistry (one year in preparatory school or college).

Program:

Requirements: 22b (taken before junior year if possible); 31a, 31b, 35; six hours

BOTANY

of Grade IV or V in botany, involving a problem and a paper; three hours of directed reading and review.

Optional: courses approved by the director.

Examinations: a general examination covering major fields of botany; one in identification and interpretation of materials and in application of techniques; one in the special field of the candidate.

CHEMISTRY

PROFESSORS:	C. PAULINE BURT, PH.D., SC.D. (hon.) KENNETH WAYNE SHERK, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	MILTON DAVID SOFFER, PH.D.
ASSISTANT PROFESSORS:	GEORGE STONE DURHAM, PH.D. MARY FRANCES PENNEY, D.PHIL.
TEACHING FELLOW:	CAROLYN B. ABRAHAMS, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Chemistry 11 and Physical Science 193, 194.

Students who are planning to major in chemistry should elect 11 in freshman year. They are advised to complete Mathematics 12 or 13 the first year. For additional preparation for honors work see that program.

- 11 *General Chemistry*. Two lectures, one recitation, and one three-hour laboratory period. Lec. M T 12; Rec. W 12, 2; Lab. M T F 2. Mr Sherk, Mr Soffer, Mr Durham, Miss Penney.
- 21 *Qualitative and Quantitative Analysis*. Cation and anion analysis using semi-microtechnique. Standard volumetric and gravimetric methods of analysis. Prerequisite, 11. Two lectures and two two-hour laboratory periods. Lec. Th F 12, Lab. Th F 2. Miss Penney.
- 31 *Organic Chemistry*. Prerequisite, 11; open to sophomores by permission of the instructor. Two lectures, one recitation, and one three-hour laboratory period. Lec. and rec. M T W 12; Lab. M T 2. Miss Burt.
- 34a *Advanced Inorganic Chemistry*. Prerequisite, 21. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Mr Sherk.
- 38b *Advanced Quantitative Analysis*. A theoretical and practical study of the applications of various optical and electrical instruments to problems of analysis and structure. Prerequisite, 21. One lecture and six hours of laboratory. Mr Durham.
- 40b Integrating Paper. Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors

who have had twelve semester hours above Grade I in chemistry. *Two or three hours.*

- 42a *Biochemistry*. Advanced organic chemistry of biological products. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.
- 42b *Medicinal Chemistry*. Advanced organic chemistry of natural and synthetic compounds used in medicine. Prerequisite, 31. Two lectures and one three-hour laboratory period. Lec. M T 11; Lab. Th 2. Miss Burt, Mr Soffer.
- 43 *Physical Chemistry*. Theoretical chemistry, including the properties of matter in various states, thermodynamics, equilibrium, kinetics and electrochemistry. For students who have passed 21 *and* have passed or are taking 31, Physics 11, and Mathematics 12. Two lectures, discussion, and one three-hour laboratory period. Lec. and Dis. M T W 10; Lab. M 2. Mr Durham.
- 45a *Organic Qualitative Analysis*. Prerequisite, 31. One lecture and two three-hour laboratory periods. Lec. hour to be arranged; Lab. Th F 2. Mr Soffer.
- 46b *Modern Structural Theories*. Study of modern theories of atomic and molecular structure and their relation to physical and chemical properties. Prerequisites, 31, 34a, or permission of the instructor. Mr Sherck.

GRADUATE COURSES

These courses are designed mainly for graduate students, but, with the proper prerequisites, are open to seniors by permission. It is suggested that a senior majoring in chemistry take at least one of these courses.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51a, 51b Special Studies. (1) Advanced Organic Preparations; (2) Chemical Spectroscopy; (3) Contemporary Literature; (4) Heterocyclic Natural Products; (5) Theory of Solutions; (6) Electrochemistry. *One hour or more.*

55a *Chemical Thermodynamics*. Prerequisites, 31 and 43 or their equivalents. Miss Penney.

55b *Chemical Kinetics*. Prerequisites, 31 and 43 or their equivalents. Miss Penney.

58a *Advanced Organic Chemistry*. A systematic study of reactions. Miss Burt.

59b *Carbocyclic Natural Products*. The chemistry of terpenic and steroid substances, with particular emphasis upon methods of structural investigation and synthesis. Lectures and discussion. Mr Soffer.

Adviser of graduate study: Mr Soffer.

CHEMISTRY

THE MAJOR

Adviser: Mr Sherk.

Based on 21.

Essential Courses: 31, 34a, 40b, 43, and three additional semester hours in chemistry. Six hours in physics. In the senior year at least twelve semester hours must be taken in the Department.

Recommended Courses: Mathematics 21 or 22a.

Optional Courses: courses in chemistry above Grade II, Geology 24a, Bacteriology 22, 34; Zoology 32; courses in mathematics and physics with the approval of the adviser.

The program recommended above meets the requirements of the American Chemical Society for eligibility for professional standing.

HONORS

Director: Mr Sherk.

Prerequisites: 21, Mathematics 12 or 13, six hours in physics above Grade I.

Program:

Essential Courses: 31, 34a, 43, 46b, and six hours chosen from 38b, 42a, 42b, 45a.

Distribution recommended for junior year: 31, 34a, and two additional courses; for senior year, the other essential courses and additional work approved by the director.

Examinations: one in inorganic chemistry; one in organic chemistry and related subjects; one in analytical and physical chemistry.

CLASSICAL LANGUAGES & LITERATURES

PROFESSOR:	F. WARREN WRIGHT, PH.D., <i>Chairman</i>
ASSISTANT PROFESSOR:	ALICE SPERDUTI, PH.D.
INSTRUCTOR:	DAVID DOUGLAS COFFIN, M.A.

The courses in the Department which may be taken to fulfill the distribution requirement in Group A are Greek 11b, 12a and b, 22a and b, Latin 14a and b, Classics 28, and 18a in combination with 18b or 29b. However, if a student is considering a major in the Department, Classics 18a and b, 28, and 29b are not advised.

Students planning to major in classics who have not offered ancient history for entrance are advised to take History 12.

CLASSICAL LANGUAGES & LITERATURES

GREEK

The prerequisite for courses of Grade III is 22b or permission of the instructor.

- 11 *Elementary Course*. Introduction to the language; reading from Homer: *Odyssey*. M T W 9. Miss Sperduti.
- [11b *Elementary Course* (covering the work of two years). Reading from Xenophon, Homer, Euripides, Plato. *Six hours each semester*. (L)]
- 12a *Selections from Iliad; Euripides: Alcestis*. Prerequisite, two units in Greek or 11. (L)
- 12b *Plato: Apology and Crito*. Prerequisite, 12a. (L)
- 16 *Prose Composition*. Prerequisite, two units in Greek, 11, or 11b. *One hour each semester*. Miss Sperduti.
- 22a *The Drama*. Euripides: *Medea*; Sophocles: *Ajax*. Prerequisite, 11b, 12b, or three units in Greek. M T W 12. Mr Coffin. (L)
- 22b *The Drama* (continued). Aeschylus: *Prometheus Bound*; Aristophanes: *Frogs*. Prerequisite, 22a or its equivalent. Mr Coffin. (L)
- 31a *Greek Historians*. Miss Sperduti.
- [32b *Aristophanes: Clouds; Aeschylus: Agamemnon*. Mr Coffin.]
- [33a *Plato: Republic*.]
- 34b *Selections from Lyric and Pastoral Poets*.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.

Religion 25b *Greek New Testament*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51a, 51b Advanced studies in Greek literature and archaeology, arranged on consultation. *One hour or more*.

Adviser of graduate study: Mr Wright.

LATIN

The prerequisite for courses of Grade III is 14b.

- [11b *Elementary Course* (covering the work of two years). Readings from Latin prose and poetry. *Six hours each semester*. (L)]

CLASSICAL LANGUAGES & LITERATURES

- 12a *Vergil: Selections from Aeneid I-VI*. Prerequisite, two units in Latin or three units including Cicero. M T W 11. Mr Wright. (L)
- 12b *Selections from Ovid*. Prerequisite, 12a or permission of the Department. M T W 11. Mr Coffin. (L)
- 14a *Latin Lyric*. Catullus; Vergil: *Eclogues*. Prerequisite, four units in Latin or three units including Vergil. Th F S 9. Mr Coffin. (L)
- 14b *Latin Lyric*. Horace: *Odes* and *Epodes*. Prerequisite, four units in Latin or three units including Vergil or, by permission of the instructor, 12a. Th F S 9. Mr Wright. (L)
- 16 *Elementary Prose Composition*. Prerequisite, four units in Latin, 14b, or permission of the instructor. *One hour each semester*. Mr Coffin.
- [26a, 26b *Intermediate Prose Composition*. Prerequisite for 26a, 16; for 26b, 26a. *One hour*. Mr Coffin.]
- 27 *Classical Latin Literature*. Readings in the original from representative authors. Prerequisite, 14b. Mr Wright.
- 31a *Latin Historians*. Alternates with 33a. Mr Wright.
- 32b *Roman Satire*. Horace, Juvenal, Persius. Alternates with 34b. Miss Sperduti.
- [33a *Lucretius: De Rerum Natura*. Alternates with 31a. Mr Wright.]
- [34b *Medieval Latin Literature*. Alternates with 32b. Miss Sperduti.]
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.
- 50, 50a, 50b *Research and Thesis*. *Three or six hours*.
- 51a, 51b *Advanced studies in Latin literature and archaeology arranged on consultation*. *One hour or more*.
- Adviser of graduate study: Mr Wright.

CLASSICS

- 18a *Masterpieces of Greek Literature in Translation*. M T W 11.
- 18b *Masterpieces of Latin Literature in Translation*. M T W 11. Mr Wright.
- 28 *Classical Backgrounds of English Literature*. Not open to students who have taken 18a or 18b. M T W 9. Mr Coffin.

CLASSICAL LANGUAGES & LITERATURES

29b *Greek and Roman Drama in Translation*. Emphasis on the plays as a vehicle for philosophic and political thought and social change; ancient aesthetic theory. M T W 12. Miss Sperduti.

40b Review Unit. Required of all majors in the Department. Miss Sperduti.

THE MAJOR IN CLASSICS

Advisers: Mr Wright, Miss Sperduti.

Based on Greek 11 and Latin 14a and b (or, by permission of the adviser, Latin 12b).

Essential Courses: Greek 16, Latin 16, Classics 40b, eighteen semester hours chosen from Greek 22a and b, 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b.

Optional Courses: other courses in Greek; courses in Latin above Grade I; allied courses in other departments.

A major in Greek or in Latin may be arranged on consultation with the chairman.

HONORS

Director: Miss Sperduti.

Prerequisites: Greek 11; Latin 14a and b (or, by permission of the director, Latin 12b).

Program: four hours chosen from Greek 16, Latin 16 (or 26a and b); six hours for the preparation of a long paper; the subject matter of Greek 22a and b and four of the following courses (of which at least two must be Latin)—Greek 31a, 32b, 33a, 34b, Latin 31a, 32b, 33a, 34b. The program must include at least three units.

Examinations: one will test the candidate's ability to read Greek and Latin; one her general knowledge of Greek and Latin literature with the historical and archaeological background; and one her mastery of a field of concentration.

UNITS

The Department will offer units in the fields of classical literature, art, and antiquities for honors students in classics or in other departments.

ECONOMICS

PROFESSORS:	WILLIAM AYLOTT ORTON, M.A., D.SC. (ECON.), LL.D., LITT.D. DOROTHY CAROLIN BACON, PH.D.
ASSOCIATE PROFESSORS:	*STANLEY CURTIS ROSS, A.B., LL.D., <i>Chairman</i> EDWARD F. WILLETT, PH.D.
ASSISTANT PROFESSORS:	MARTHA VAN HOESEN TABER, A.M. ANNE PITTS GROSSE, PH.D.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Economics 21, 32, Social Science 192.

21 or 22a is the prerequisite for 31b, 33, 35, 312a, 313a, 315, 317b.

21 *Outlines of Economics*. Survey of economic principles and techniques as applied in modern industry, agriculture, transportation, trade, and finance. Open to freshmen by permission. Lec. M T W 9, Th F S 10. Mr Orton, Mr Ross, Mrs Taber, Mrs Grosse.

[22a. *Introduction to Economic Analysis*. Demand and supply, price determination and distribution theory. Open only to students who have passed Social Science 192. Th F S 11. Mr Ross.]

NOTE:—Students who would ordinarily elect 22a should elect instead the first semester of 21 meeting M T W 9.

23b *Accounting*. The theory of debits and credits. The organization and use of accounting records, the construction and interpretation of balance sheets and of statements of revenue and expense, and selected special topics. Two lectures and one two-hour laboratory period. M T 9, M 3–5. Mr Willett.

31b *Public Finance*. Taxation, government spending and borrowing; economic effects and current controversies. M T W 11. Mr Willett.

32 *Economics of Labor and the Labor Movement*. Labor history, trade-unionism, collective bargaining, personnel management, labor legislation. Open to sophomores who have passed 21. M T W 12. Mrs Taber.

33 *History of Economic Theory*. First semester, survey of classical economics; second semester devoted to recent economic thought. M T W 10. Mrs Grosse.

35 *Money and Banking*. Monetary theory, American and foreign banking, foreign exchange, problems of prosperity and depression. Th F S 9. Miss Bacon.

38 *Statistical Methods*. Tabulation, graphic representation, averages, measures of dispersion, correlation, index numbers, and the treatment of time series. This course should normally be elected senior year. Lec. Th F 2; four laboratory hours chosen from T 2–6, Th, F 3–6. Miss Bacon.

NOTE.—Credit will be given for the first semester if it is followed in the same year by Sociology 43b.

- 311b *Government and Business*. The development of public control of business in the United States; problems of present-day regulation. Prerequisite, 21, 22a, or permission of the instructor. M T W 2. Mr Orton.
- 312a *Corporations*. Their organization, management, accounting and finance. The fundamental principles as affected by current nationalistic policies with respect to quotas, tariffs, and currency and exchange regulation. M T W 9. Mr Willett.
- 313a *International Trade and Finance*. M T W 11. Mr Willett.
- 314a *Personal Finance*. Topics studied include inflation, taxation, insurance, annuities, installment buying, home ownership, investment, and social security. Lec. M T 2; Rec. W 10, 2, 3. Mr Willett.
- 315 *International Economics since 1918*. Special reference given to the effects of the postwar settlements and the economic factors of the war of 1939. Th F S 12. Mr Orton.
- 317b *Economics of Agriculture*. Theory of land values, American agricultural development, agricultural-industrial relationships, government and the farmer. Th F S 11. Mr Ross.
- 319b *Theories and Movements for Social Reorganization*. Comparative economic systems. Open to sophomores who have passed 21. M T W 11. Mrs Grosse.
- 40b *Modern Economic Thought*. Required of all senior majors. W 7:30–9:30. Members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in economics above Grade I. *Two or three hours*.
- [42a *Seminar in Theories of Wages*. Relation of contemporary wage theory to recent governmental labor policies and employer and labor organization. By permission of the instructor.]
- 43b *Seminar in Investment Policies*. By permission of the instructor for students who have passed 35 or 312a or are taking 35. Mr Willett.
- [44a *Seminar in Organized Labor and the Law*. Legal status of labor in the United States and foreign countries. By permission of the instructor.]
- [46b *Seminar on Types of Economic Planning under Capitalism and in Mixed Economies*. Recent developments in Poland, Czechoslovakia, and Great Britain. By permission of the instructor.]

ECONOMICS

History and Social Science 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology.* See page 49.

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies in such subjects as classical economic theory and its modern transformation; international economic organization; corporations: organization and finance; social security and protective legislation. *Two hours or more.*

Adviser of graduate study: Mr Orton.

THE MAJOR

Advisers: members of the Department.

Based on 21 or 22a.

Essential Courses: 40b and eighteen semester hours in economics above Grade II except 314a.

Optional Courses: to be arranged.

Majors may spend the junior year abroad if they meet the college requirements as stated under the description of the Junior Years Abroad.

HONORS

Director: Miss Bacon.

Prerequisite: a grade of B in Economics 21.

Program:

The History of Economic Theory is an essential course for honors, and counts as six of the required eighteen hours of Grade III work. In addition to the eighteen hours, there is required in the first semester of the senior year a long paper to count as three or six hours, and in the second semester three hours of review.

Examinations: general theory and its applications; questions on individual fields in economics; questions coordinating the field of the major.

UNITS

Studies in International Economic Organization. First semester. *Six hours.* Mr Orton.

Topics in Money and Banking. First semester. *Six hours.* Miss Bacon.

Statistical Methods. Second semester. *Six hours.* Miss Bacon.

Corporation Finance and Investments. Second semester, alternate years. *Six hours.* Mr Willett.

EDUCATION & CHILD STUDY

PROFESSOR:	SETH WAKEMAN, PH.D.
ASSOCIATE PROFESSORS:	CLIFFORD RICHARDSON BRAGDON, A.M., ED.M., <i>Chairman</i> **HELEN EVANGELINE REES, ED.D., Director of the Smith College Day School EVELYN BEYER, M.A., Director of the Elisabeth Morrow Morgan Nursery School
ASSISTANT PROFESSORS:	LOIS JEAN CARL, PH.D. MIRIAM FORSTER FIEDLER, PH.D.
LECTURERS:	RONALD JEREMIAH DARBY, ED.M. MINNIE MARION STINSON, ED.M. RITA ALBERS JULES GEORGE T. PRATT, M.ED.
DIRECTOR OF EDUCATIONAL CLINIC:	MARY CHENEY STEPHENSON, ED.M
INSTRUCTORS:	N. DEMING HOYT, A.B. MARY TEELE CAMPBELL, A.M.
ASSISTANT DIRECTOR OF EDUCATIONAL CLINIC:	ROBERT FARRAR KINDER, A.M.

The following courses are recommended to students planning to major in education and child study: Biological Science 195, Psychology 11 or 12, Social Science 192, Sociology 26, Zoology 12.

An opportunity for educational guidance including improvement in reading and study skills is offered to freshmen and a limited number of other students. One period each week, hours to be arranged. Mrs Stephenson and Mr Kinder.

Students who desire to comply with the varying requirements of different states for certificates to teach in elementary and secondary schools are urged to consult the chairman as early as possible during their college course. A five-year program leading to the degree of Master of Education fulfills the requirements now set by certain states.

21a *Introduction to Education.* Historical and philosophical background of modern educational problems. M T W 2. Mr Wakeman and Mr Bragdon.

22a *Educational Psychology.* A study of biological, psychological, and social factors in mental development, with special reference to problems in learning. M T W 12. Mr Wakeman.

22b A repetition of 22a. M T W 2.

24a *Child Psychology.* Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Prerequisite, Psychology 11 or 12. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.

EDUCATION & CHILD STUDY

- 24b *Psychology of Adolescence*. Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Prerequisite, Psychology 11a or 12, Education 22a or b, or permission of the instructor. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 26b *Foundations of Secondary Education*. Characteristics of the secondary school pupil; present status, purpose, and organization of secondary schools; curriculum. Recommended background, 21a and 24b. M T W 2. Mr Bragdon.
- [31a *The Child in Modern Society*. Place of the young child in society; social and educational agencies concerned with child welfare; mental hygiene of early childhood. Directed observations. Alternates with Sociology 39a. Th F 3 and one observation period.]
- 34b *Child Study*. Growth, development, and guidance of the young child. Systematic observation and study of preschool children. Recommended background, 24a or 22a or b. Th F 2 with morning observation periods to be arranged.
- 35a *Elementary School Child*. Growth and development of the child in the elementary school; study of curriculum and modern practices. Recommended background, 21a and 22a or b or 24a. Two class hours and observation. M W 9. Miss Rees.
- 36b *American Education*. Evolution of American educational thought and institutions; development of American education related to the growth of the nation. Also for sophomores who have passed 21a. M T W 9. Mr Hoyt.
- 37a *Comparative Education*. Influence of national attitudes in education. The educational situation in England, France, Germany, and Soviet Russia, with special attention to the problems of the postwar period. M T W 3. Mr Hoyt.
- 38b *Education and Contemporary Social Philosophy*. An examination of the impact of recent socio-economic changes on higher and secondary education. M T W 3. Mr Hoyt.
- 39a *Educational Measurements*. Study of measures designed to improve instruction and assist pupil adjustment in school. Practice in construction, administration, and interpretation of tests. T 4-6 and a laboratory period to be arranged. Mr Hoyt.
- 310a *Music Education*. Methods and materials of music education in the preschool and elementary grades. For majors or by permission of the instructor. M 3-5, T 3. Mrs Scatchard.
- 311b *Art Education Workshop Course*. Theory and practice of art education in the elementary school. By permission of the instructor. Mrs Jules.

EDUCATION & CHILD STUDY

- 40b Senior Essay, designed to correlate and unify the student's work in her major field. Mr Bragdon and members of the Department.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in education above Grade I. *Two or three hours.*
- 42b *Advanced Educational Psychology.* Selected problems, reports, and discussion. By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. Mr Wakeman.
- 43 *Preschool Education.* Theory and practice in the modern nursery school and kindergarten. Two class hours and two periods of participation. Required trip. Prerequisites, 34b and permission of the instructor. Th 4.
- 44b *Seminar in Child Psychology.* Selected problems, reports, and discussion. Prerequisites, 24a and permission of the instructor. Miss Carl.
- 45 *Elementary Education.* Theory and practice in the modern elementary school, kindergarten through grade eight. Two class hours and two periods of participation in elementary schools. Prerequisites, 35a and permission of the instructor. Th 4. Miss Rees and Miss Campbell.
- 46 *Secondary Education.* Methods and practices in secondary schools; an intensive study of the teaching of one of the subjects in the curriculum. Observation and directed practice. Required trip. Prerequisites, 26b and permission of the instructor. Th 4 and one period of observation and practice. Mr Bragdon, Mr Darby.
- 410b *Experimental Educational Psychology.* By permission of the instructor. Recommended background, 22a or b and one course in psychology above Grade I. One period for discussion and reports, two laboratory periods. Mrs Fiedler.
- French 37a *Teachers' Course.*
- Music 320 *Elementary School Music.*
- Music 46 *Advanced School Music.*
- Spanish 32a *Teachers' Course.*
- Speech 48a, 48b *Teachers' Course.*
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced Studies: special problems in education. *Two hours or more.*
- 52, 52a, 52b *Problems of American Education.* Required of all candidates for the Master's degree in education. Mr Wakeman and members of the Department.

EDUCATION & CHILD STUDY

53b *Preschool and Parent Education.*

54b *Elementary Education.* Miss Rees.

55a *Problems in Secondary Education.* Mr Bragdon.

56b *Higher Education.* History and present status in the United States. Mr Wakeman.

57 *Problems in the Education of the Deaf.* Historical development of education of the deaf, the physiological and psychological problems of deaf children, and problems of curriculum, with emphasis on language. By permission of the instructor. Mr Pratt.

59, 59a, 59b *Practice Teaching.* Given under the supervision of members of the Department. For qualified graduate students by permission of the Department. *One hour or more.*

510a *Child Development.* Miss Rees.

Adviser of graduate study: Mr Wakeman.

THE MAJOR

Students majoring in the Department may concentrate (1) in child development as preparation for teaching in nursery and elementary schools, (2) in the history, philosophy, or psychology of education, or (3) may prepare for graduate work leading to a professional degree.

Advisers: members of the Department.

Based on 21a or 22a or b *and* one course in education and child study, psychology, sociology, or Social Science 192.

Essential Courses: 40b and eighteen semester hours in education.

Optional Courses: other courses appropriately related.

HONORS

Director: Mr Bragdon.

Prerequisites: courses listed as bases for the majors.

Program and Examinations: detailed plans of study may be had on consultation with the director.

ENGLISH LANGUAGE & LITERATURE

PROFESSORS:

HOWARD ROLLIN PATCH, PH.D., LITT.D.
 PAUL ROBERT LIEDER, PH.D.
 ESTHER CLOUDMAN DUNN, PH.D.
 †MARY ELLEN CHASE, PH.D., LITT.D., L.H.D.
 NEWTON ARVIN, A.B.
 CHARLES JARVIS HILL, PH.D., *Chairman*
 *SAMUEL ATKINS ELIOT, JR., A.B.
 HELEN WHITCOMB RANDALL, PH.D.
 ROBERT GORHAM DAVIS, A.M.

VISITING PROFESSOR:

*ELIZABETH DREW, B.A.

ASSOCIATE PROFESSORS:

KATHERINE GEE HORNBEAK, PH.D.
 ALFRED YOUNG FISHER, DOCTEUR DE L'UNIVERSITÉ DE DIJON
 EDNA REES WILLIAMS, PH.D.
 ELEANOR TERRY LINCOLN, PH.D.
 DANIEL AARON, PH.D.

INSTRUCTORS:

EVELYN PAGE, M.A.
 ROBERT OTTO PREYER, A.M.
 GEORGE GIBIAN, PH.D.
 MARLIES KALLMANN, A.M.
 WENDELL STACEY JOHNSON, A.M.

The courses in English which may be taken to fulfill the distribution requirement in Group A are 21, 23b, 211.

Students who are planning to major in English and have entered with less than three units of Latin or Greek or a combination of the two, will be required to take Latin 12a, Greek 11, 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b. They are urged to take at least one course each in history and philosophy.

- 11 *Freshman English*. Practice in expository and critical writing in connection with the study of selected literary forms. Members of the Department. *Director*, Mr Fisher.

A. Language and Literature

[14a *The Informal Essay*. Florio's Montaigne to Goldsmith. M T W 10.]

[14b *The Informal Essay of the Nineteenth Century*. M T W 10.]

- 21 *The Patterns of English Literature*. An analysis through lectures, reading and discussion of representative authors and works, chosen for the purpose of illustrating the temper and the controlling ideas of successive periods and the development of literary forms.

ENGLISH LANGUAGE & LITERATURE

- 23b *Forms of the Drama*. Survey of the principal forms, European and Asiatic, with special attention to the different kinds of theatre and to the greatest plays and playwrights from Aeschylus to Hebbel. M T W 3. Mr Eliot.
- 25 *Literature of the Middle Ages*. Characteristic ideas in English and Continental literature. Reading based on translations. M T W 9. Mr Patch.
- 28a *Seventeenth Century Poetry from Donne to Dryden*. Th F S 9. Miss Lincoln.
- 28b *Seventeenth Century Prose*. Essays, allegories, plays, character sketches, from Bacon to Congreve. Th F S 9. Miss Lincoln.
- 211 *Literature of the Nineteenth and Twentieth Centuries*. M T W 9. Miss Randall and Miss Drew.
- 31 *Chaucer*. M T W 10. Mr Patch.
- 32 *The History of the English Language*. Th F S 9. Miss Williams.
- 34 *Sixteenth Century Literature*. Prose and poetry from Wyatt through Spenser, Raleigh, and the early Donne. Th F S 11. Miss Dunn.
- 35a *English Drama from 1560-1642*. Shakespeare's predecessors and contemporaries. Open to sophomores by permission of the instructor. Mr Fisher.
- [35b Continuation of 35a.]
- 36 *Shakespeare*. A study of Shakespeare's dramatic development against the background of Elizabethan ideas, social, critical, and theatrical. Not open to students who have taken 37 with which this course alternates. Th F S 12. Miss Dunn.
- [37 *Shakespeare*. The dramatic and poetic art of Shakespeare. For students majoring in English. Not open to students who have taken 36 with which this course alternates. M T W 12. Mr Hill.]
- 39b *Milton*. W Th F 2. Miss Lincoln.
- 310a *Augustan Satire*. Theories and techniques of satire studied in the work of Addison, Steele, Pope, Swift, and Gay. M T W 12. Miss Hornbeak.
- 310b *The Age of Johnson*. Biography, criticism, poetry. M T W 12. Miss Hornbeak.
- 311 *Drama from 1660 to the Present*. Th F S 10. Mr Lieders.
- [312a *Drama in the Last Hundred Years*. Russian drama, French drama of 1845-90, Strindberg, German drama of 1890-1925, and Shaw. No plays read in 311 will be read in this course. Th 4-6, F 4-5. Mr Eliot.]

ENGLISH LANGUAGE & LITERATURE

- 312b *Drama in Asia*. India, the Indo-Chinese and Malay countries, Tibet, China, and Japan. Mr Eliot.
- 314 *The Development of the English Novel*. Daniel Defoe to D. H. Lawrence. M T W 11. Mr Hill.
- 319b *Romanticism*. Blake, Wordsworth, Coleridge, Shelley, and Keats. Th F S 11. Miss Randall.
- 329 *American Literature to 1900*. Th F S 9. Mr Arvin.
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in English above Grade I. *Two or three hours*.
- 42 *Old English*. Language and literature of the Old English period, with emphasis on the study of *Beowulf*. Miss Williams.
- [43b *Seminar: Wordsworth, Coleridge, and Others*. Their poetical and literary theories and innovations; the background both of England and of the Continent, including political and social influences. Th 3-5. Miss Dunn.]
- 44b *Twentieth Century British Literature*. Joyce, Yeats, Eliot. M T W 10. Miss Drew.
- 415a *Literary Criticism*. For seniors.
- 416a *Transcendentalism in American Literature*. Emerson, Thoreau, and Whitman. M T W 9. Mr Aaron.
- 416b *American Fiction from 1830 to 1900*. Hawthorne, Poe, Melville, and James. M T W 9. Mr Aaron.
- 417a *The Twentieth Century American Novel*. Th F S 10. Mr Davis.

B. Composition

Only one course in English composition may be taken in any one semester except by permission of the chairman. Second semester courses are open both to students who have and those who have not taken the corresponding course in the first semester.

[112a, 112b *Composition for Foreign Students*.]

220a, 220b *Practice in Various Forms of Writing*. M T W 11, 2. Miss Page.

[345a *Playwriting*. Practice in writing the one-act play. *Two or three hours*. T 4-6. Mr Eliot.]

345b *Playwriting*. 345a is not a prerequisite, but students who have passed it will write a full-length play. Mr Eliot.

ENGLISH LANGUAGE & LITERATURE

- 347a *Studies in Style and Form*: the expression of different kinds of experience. By permission of the instructor. W Th F 2. Mr Davis.
- 347b Techniques of fiction and criticism with some consideration of poetry and expository form. By permission of the instructor. W Th F 2. Mr Davis.
- [348a *Poetics and Practice in Verse Writing*. By permission of the instructor. Mr. Fisher.]
- 428 *Advanced Composition*. For seniors by permission of the instructor.
- [429a], 429b *Advanced Playwriting*. Prerequisite, 345a or b or the equivalent. One hour or more. Mr Eliot.

C. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more*.
- 53 *Seminar in Middle English Poetry*. Emphasis will be placed on the works of Chaucer, medieval romances, or medieval drama, according to the special needs of the students. Attention will be given not so much to the reading of texts as to problems of research. Mr Patch.
- 55 *Shakespeare*. Critical problems, textual and literary. Lectures and reports. Miss Dunn.
- 57a *Studies in Seventeenth Century Literature*. Miss Lincoln.
- 58a *Studies in Eighteenth Century Fiction*. Miss Hornbeak.
- 59a, 59b *Studies in Nineteenth Century Poetry*. Mr Lieder.
- 510b *Studies in Nineteenth Century Fiction*. Mr Hill.
- 512a, [512b] *Studies in American Literature*. Mr Arvin.
- Adviser of graduate study: Mr Patch.

THE MAJOR

- Advisers: Mr Patch, Mr Lieder, Miss Dunn, Mr Arvin, Mr Hill, Mr Davis, Miss Hornbeak, Mr Fisher, Miss Williams.
- Based on six semester hours from Division A or General Literature 291.
- Essential Courses: 40b and eighteen semester hours from Division A, including at least one of the following: 31, 32, 42, or a course in Greek language and literature.
- Optional Courses: nine semester hours in English or foreign literatures or in closely allied fields.
- In consultation with her adviser every student should arrange the program of her three upper years so as to allow for a reasonable distribution in different periods.

ENGLISH LANGUAGES & LITERATURE

HONORS

Director: Miss Lincoln.

Prerequisites: see the requirements for entrance to the major.

Program: students must fulfill the general requirements of the major. The units offered by the Department cover the fields of literary history, major figures, the primary types, and literary theory and criticism. Candidates must take at least one unit each year in the junior and senior years.

In the first semester of senior year honors students will present a long paper to count for six hours, outside the eighteen semester hours in the major.

Each student must correlate a small and carefully circumscribed area of her work in English with at least three hours in units or courses in a closely related field, *e.g.* history, philosophy, religion, classics, modern languages, the theatre, art, and music; or with work in linguistics and composition in the Department.

Examinations: two examinations will be general, the third will test the candidate's work in her chosen program of correlation.

FRENCH LANGUAGE & LITERATURE

PROFESSORS:

VINCENT GUILLON, AGRÉGÉ DE L'UNIVERSITÉ

HÉLÈNE CATTANÈS, DOCTEUR DE L'UNIVERSITÉ DE PARIS

ASSOCIATE PROFESSORS:

RENÉ GUIET, DOCTEUR DE L'UNIVERSITÉ DE PARIS, *Chairman*

*LOUISE MARIE BOURGOIN, LIC. ÈS L., O.A.

MADELEINE GUILLON, LIC. ÈS L., A.M.

MARTHE STURM, LIC. ÈS L., DIPLÔME D'ÉTUDES SUPÉRIEURES

MARGARET HILL PEOPLES, PH.D.

MARINE LELAND, PH.D.

||A. JEANNE SALEIL, AGRÉGÉE DE L'UNIVERSITÉ

ASSISTANT PROFESSORS:

*JEANNE SEIGNEUR GUIET, A.M.

ANNE GASOOL, A.M.

RUTH TEMPLETON MURDOCH, PH.D.

PROFESSORS: *Instructors:*

WILSIE FLORENCE BUSSELL, PH.D.

MARY LOUISE LIBBY, A.M.

CHRISTINE MARY ZUMSTEIN, M.A.

MARIE-ROSE GANTOIS, LIC. ÈS L.

The course in French which may be taken to fulfill the distribution requirement in Group A is 26.

All classes in the Department except 312a are conducted in French.

Freshmen who plan to major in French or who hope to spend the junior year in Paris or in Geneva are advised to take 13 or 22a and b.

It is recommended that students have a reading knowledge of a second language (ancient or modern), and that those planning to major in French take a general course in English literature and one in European history.

FRENCH LANGUAGE & LITERATURE

A. Language

- 11b *Elementary Course* (first and second parts). *Six hours each semester.* M T W Th F 10, 12, or M 3, T W Th F 2, and one hour to be arranged. Members of the Department. (L)
- 12 *Elementary Course* (second part). Prerequisite, two units in French. M T W 10, 12; Th F S 10, 11, 12. Members of the Department.
- 13 *Reading, Grammar, and Composition.* Prerequisite, three units in French, 12, or 11b. M T W 9, 12; Th F S 9, 10, 11. Members of the Department.
- 22a, 22b *Intermediate Course.* Reading and discussion of modern texts. Written and oral reports. Prerequisite, four units in French, 13, or 16. M T W 9, 10; Th F S 11. Members of the Department.
- 24a *Theoretical and Practical Phonetics.* Exercises in hearing, pronunciation, and phonetic dictation. Two class hours. *One hour.* Th F 4. Miss Sturm.
- 24b A repetition of 24a.
- 31a *Advanced Course in Grammar and Composition.* Recommended to those who intend to teach French. Prerequisite, 22a and b. M T W 10. Miss Cattànès.
- 34b *Advanced and Experimental Phonetics.* Prerequisite, 24a or b. *Two hours.* Miss Sturm.
- 37a *Teachers' Course.* Discussion of problems of modern language teaching. Miss Cattànès.

B. Literature

Unless otherwise stated the prerequisite for courses of Grade III is 26.

- 16 *Introduction to French Literature.* Choice of representative texts; literary, historical, and cultural background. Prerequisite, three units in French, 12, or 11b. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L).
- 26 *Masterpieces of French Literature of the Nineteenth Century.* Novel, drama, poetry. Prerequisite, four units in French, 13, or 16. M T W 9, 10, 11, 12; Th F S 9, 10, 11, 12. Members of the Department. (L).
- 310b *Life and Works of Molière.* Alternates with 316a. W Th F 2. Miss Leland.
- 311 *French Literature in the Seventeenth and Eighteenth Centuries.* Th F S 9. Mr Guilloton.

FRENCH LANGUAGE & LITERATURE

- 312a *French-Canadian Civilization from 1763 to the Present*. Conducted in English. Recommended background, a reading knowledge of French. W Th F 2. Miss Leland.
- [316a *French Literature to the End of the Renaissance*. Alternates with 310b. Th F S 10. Mr Guiet.]
- 317a *The French Novel from 1700 to 1850*. Alternates with 320a. Th F S 10. Mr Guiet.
- 318a *Contemporary French Drama and Poetry*. Recommended background, 311. Th F S 11. Mrs Guilloton.
- 318b *Contemporary French Novel*. Recommended background, 311. Th F S 11. Miss Sturm.
- [320a *The French Novel from 1850 to 1914*. Alternates with 317a. Miss Cattànès.]
- 323b *French Civilization*. Institutions of modern France. Primarily for majors not taking their junior year in Paris. Miss Sturm.
- 40b Review Unit.
- 41, 41a, 41b Special Studies in French language or literature. By permission of the Department for senior majors who have had twelve semester hours above Grade I in French. *Two or three hours*.
- 45a *History of Modern French Thought*. The Renaissance to the present. For seniors by permission of the instructor. Miss Sturm.
- [47a *Studies in Eighteenth Century Literature*. Alternates with 48a. For seniors by permission of the instructor. Miss Peoples.]
- 48a *Victor Hugo*. Alternates with 47a. For seniors by permission of the instructor. Miss Peoples.

C. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged in consultation with the Department. *One hour or more*.
- 52 *Old French*. Linguistics and literature. Miss Leland.
- 53 *Problems of Modern Syntax*. Miss Cattànès.
- 56a *Development of Literary Criticism in France*. Mr Guilloton.

FRENCH LANGUAGE & LITERATURE

[56b *Literary Relations between England and France in the Eighteenth Century.*
Mr Guilloton.]

58b *Montaigne. One hour or more.* Mr Guiet.

510b *French Poetry from 1885 to the Present.* Mrs Guilloton.

Adviser of graduate study: Mr Guilloton.

THE MAJOR

Advisers: Mrs Guiet for 1953, Mrs Guilloton for 1954.

Based on 26; on 16 or 13 if 26 is taken junior year in addition to the major.

Essential Courses: 40b and eighteen semester hours in French.

Optional Courses: other courses in the Department or in allied fields.

HONORS

Director: Miss Peoples.

Prerequisite: 26.

Program:

Requirements: the general requirements for the major; a unit involving the writing of a paper; a review unit.

Optional: with the approval of the director any unit or course in French or in an allied field of Grade III or IV or, for seniors, Grade V.

Examinations: of the three examinations, the two on literature will be written in English. One general examination on the whole field of French literature; one specialized examination on a limited period (sixteenth, seventeenth, eighteenth, or nineteenth century, or the modern field); one on language with translation from English to French, from French to English, and a short composition in French.

GEOLOGY & GEOGRAPHY

ASSOCIATE PROFESSORS:	ROBERT FRANK COLLINS, A.M.
	CAROLINE HEMINWAY KIERSTEAD, PH.D.
	BENJAMIN MARTIN SHAUB, PH.D.
ASSISTANT PROFESSORS:	HELEN STOBBE, PH.D., <i>Chairman</i>
	MARSHALL SCHALK, PH.D.
TEACHING FELLOW:	BARBARA JANE SCHENCK, B.S.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Geology 11 and Physical Science 194.

Students planning to major or to do honors work in geology or geography are advised to take at least one of the following: chemistry, physics, or zoology.

11 *General Geology.* Forces of nature now modifying the materials and structure of the earth; history of the earth. Field trips. Two lectures and one hour

GEOLOGY & GEOGRAPHY

of discussion following two hours of laboratory. Lec. Th F 10; Lab. and discussion M 10-1, M, T, Th, F 2-5, S 9-12. Mr Collins, Mr Schalk.

- 13 *North America*. Nature and origin of the continent's physical features and natural resources; their part in colonization and industrial expansion. M T W 10. Mrs Kierstead.
- 21a, 21b *Introductory Meteorology*. The weather elements; their observation; air mass analysis; short-term and aeronautical forecasting; climatology. Prerequisite for 21b, 21a. Two lectures and one demonstration. Th F S 9. Mr Schalk.
- 23a, 23b *Paleontology*. Morphology, classification and geological significance of fossil invertebrates. Prerequisite, 11 or elementary zoology; 23a is not required for 23b. Two lectures and two hours of laboratory. Lec. T W 12; Lab. W 2-4. Mrs Kierstead.
- 24a *Mineralogy*. General principles; study of the more important rock-forming and economic minerals. For students who have passed or are taking 11, Chemistry 11, or Physics 11. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 25b *Lithology*. Interrelation of the main rock types; their origin, structure, mineral composition, occurrence, and economic importance. Field methods of identification. Prerequisites, 11 and 24a. Lecture and recitation, two hours; laboratory, two and one-half hours. Lec. and rec. Th F 9; Lab. M 2-4:30. Mr Shaub.
- 26 *Economic Aspects of Geography*. Natural resources of the world in relation to climatic, physiographic, and geologic setting; geographic factors in the development of the world's great trade routes. M T W 11. Mr Shaub.
- [28a *Principles of Surveying, Cartographic Drafting, Editing, Reproduction*. Practice in map reading, compilation and simple map drafting. Lecture, two hours; laboratory, three hours. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.]
- [29b *Geologic and Geographic Illustration*. Charts, graphs, block diagrams, sections. Drawing for reproduction. Two lectures and three hours of laboratory. Lec. Th F 12; Lab. W 2-4 and one hour to be arranged. Mr Collins.]
- 211a *Gems and Precious Stones*. Their properties, origin, and occurrence; their recovery, processing, and marketing; their history. M T W 10. Mr Shaub.
- 212b *Gems and Precious Stones*. Laboratory identification of natural, synthetic, and artificial gems; cutting and processing semiprecious stones. Prerequisite, 211a. One hour. Mr Shaub.

GEOLOGY & GEOGRAPHY

- 31a *Geography of Asia*. Influence of relief, climate, and natural resources on the life, movements, and history of its peoples. M T W 10. Miss Stobbe.
- 31b *Europe and North Africa*. Geographic backgrounds of current problems. M T W 10. Miss Stobbe.
- 32a *South America*. Geography of the continent; climatic and physiographic backgrounds of cultural, political, and economic development. M T W 12. Miss Stobbe.
- 33a *Geomorphology*. Principles and processes of landform development. Geomorphic cycles. Principles and examples of landform classification. Prerequisite, 11. Th F 11 and hour recitation to be arranged. Mr Collins.
- 33b *Physiography of the United States*. Surface expression as function of lithology, structure, climate, and cycle of the Physiographic Provinces of the United States. Prerequisite, 33a. Th F 11 and one hour recitation to be arranged. Mr Collins.
- 34a, 34b *Economic Geology*. Lectures and laboratory study of geological products of commercial value. Prerequisites, 11, or 24a, or Chemistry 11. Lec. Th F 12; Lab. hours to be arranged. Miss Stobbe.
- 35a, 35b *Historical Geology*. Evolution of modern life and its relation to Cenozoic environment. Prerequisite for 35a, 11; for 35b, 35a. Lec. Th F 12 and one hour to be arranged. Mr Collins.
- 36a, 36b *Field Geology*. Methods; theory and use of Brunton, alidade, and other mapping instruments; topographic and geologic surveying; applied structural geology. Prerequisite for 36a, 11; for 36b, 36a. T Th 2-6. Mrs Kierstead.
- [37a *Stratigraphy*. Geological systems and subdivisions; their invertebrate fossil content and lithologic characteristics. A field trip of one or more days. Prerequisite, 23a or b. Mrs Kierstead.]
- 38a *Optical Mineralogy*. Optical properties and identification of minerals in fragments and thin sections. Prerequisite, 25b. Mr Shaub.
- 39b *Petrography*. Identification and classification of rocks with the polarizing microscope. Prerequisite, 38a. Mr Shaub.
- 314b *Geology of Petroleum and Natural Gas*. Their origin, occurrence, and distribution; application of geological principles to their finding and exploitation. Prerequisite, 11, Physical Science 194, or permission of the instructor. Mr Schalk.

GEOLOGY & GEOGRAPHY

- 322b *Structural Geology*. Origin and surface expression of the structural elements of the earth's crust. Open to students who have passed Geology 11. Lec. T W 11; Lab. two hours to be arranged. Mrs Kierstead.
- 40b Senior Review Essay. For seniors majoring in geology or geography. M 2-5. Members of the Department.
- 41, 41a, 41b Special Studies in geology or geography. By permission of the Department for senior majors who have had twelve semester hours above Grade I in the Department. *Two or three hours*.
- [46a, 46b *Micropaleontology*. A study of micropaleontology with particular emphasis on Foraminifera, their classification and importance in petroleum geology. By permission of the instructor. Lec. T W 11; Lab. four hours to be arranged. Mrs Kierstead.]
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Individual problems in geology or geography. *Two hours or more*.
- 52, 52a, 52b *Paleontology or Stratigraphy*. *Two hours or more*. Mrs Kierstead.
- 53, 53a, 53b *Physiography*. *Two hours or more*. Mr Collins.
- 54, 54a, 54b *Structural Geology*. *Two hours or more*. Mrs Kierstead.
- 55, 55a, 55b *Crystallography, Mineralogy, Petrology, or Gemology*. *Two hours or more*. Mr Shaub.
- 57, 57a, 57b *Petroleum Geology*. *Two hours or more*. Mr Schalk.
- Adviser of graduate study: Miss Stobbe.

THE MAJORS

Geology

Advisers: Mr Collins, Mrs Kierstead, Mr Shaub.

Based on 11, or, by permission of the Department, on Physical Science 194.

Essential Courses: 36a and b, 40b, and twelve semester hours in geology.

Optional Courses: other courses in geology or in other sciences.

Geography

Advisers: Miss Stobbe, Mr Schalk.

Based on 11, 13, 21a, or 26.

Essential Courses: 11 if not already taken; 40b and twelve semester hours above Grade II in the Department.

Optional Courses: other courses in geology; courses in other sciences, history, and economics.

GEOLOGY & GEOGRAPHY

HONORS IN GEOLOGY

Director: Miss Stobbe.

Prerequisites: 11, and 23a and 23b or 24a and 25b; and one year of college chemistry, physics or zoology.

Program:

Requirements: 23a and 23b or 24a and 25b (whichever has not been taken previously); 33a and 33b; 36a and 36b; and six additional hours of Grade III or above in geology or six hours in an advanced course of a science other than geology.

Examinations: two will be in the general field of the major; a third may be in a field of concentration.

GERMANIC LANGUAGES & LITERATURES

PROFESSOR:	PAUL GERALD GRAHAM, PH.D.
ASSOCIATE PROFESSORS:	MARIE SCHNIEDERS, PH.D., <i>Chairman</i> WOLFGANG PAULSEN, PH.D.
ASSISTANT PROFESSOR:	ANITA LURIA ASCHER, PH.D.
INSTRUCTOR:	HELENE SOMMERFELD, A.M.

The courses in German which may be taken to fulfill the distribution requirement in Group A are 25a and b, 26, 27a and b.

Students who possess a thorough knowledge of German considerably in excess of what they need to offer for admission, or of what their preparatory school work indicates, may be assigned to more advanced classes. They should consult the chairman of the Department.

Students planning to major in German should carry work in German in the first two years. A course in European history and a course in philosophy are also recommended.

Those who need a knowledge of German for use in the sciences will be given appropriate reading in the various German courses.

A. German Language

- 11 *Elementary Course*. Five class hours. *Three hours each semester*. M T W Th F 9, 11, 12. Miss Schnieders (*Director*), Mr Graham, Miss Ascher.
- 11b *Elementary Course* (covering the work of two years). Seven class hours. *Six hours each semester*. M T W Th F 10 and two hours to be arranged. Mrs Sommerfeld. (L)
- 12 *Intermediate Course*. Prerequisite, two units in German or 11. M T W 11, Th F S 11. Miss Ascher, Mrs Sommerfeld. (L)

GERMANIC LANGUAGES & LITERATURES

- 21 *Composition and Conversation*. Prerequisite, three units in German, 11b, 12, or the equivalent. M T W 9. Mrs Sommerfeld.

B. German Literature

The prerequisite for courses of Grade III is a Grade II course or the equivalent.

- 25a, 25b *Modern Prose*. The *Novelle* of the nineteenth and twentieth centuries. Prerequisite, three units in German, 11b, 12, or the equivalent. Th F S 11. Miss Ascher. (L)
- 26 *An Introduction to the Classical Literature of the Eighteenth Century*. Selections from the works of Lessing, Goethe, and Schiller. Prerequisite, three units in German, 11b, 12, or the equivalent. M T W 10, Th F S 10. Mr Graham, Miss Schnieders. (L)
- 27a *German Literature in Translation*. Classicism and romanticism. Th F S 11. Mr Paulsen (*Director*) and members of the Department.
- 27b *German Literature in Translation*. Realism, naturalism, and contemporary literature. Th F S 11. Mr Paulsen (*Director*) and members of the Department.
- 34a, 34b *German Literature of the Nineteenth Century*. Beginning with the romantic movement. Th F S 9. Mr Graham.
- 35b *An Historical Survey of German Literature*. The earliest times to the middle of the eighteenth century. Miss Ascher.
- 38a. *Masters of Modern German Literature*. Selected works of representative writers since 1890. Mr Paulsen.
- 311a *Goethe: His Life and Works*. Mr Paulsen.
- 311b *Goethe's Faust, Parts I and II*. Mr Paulsen.
- 40b Directed reading required of seniors majoring in the Department.
- 41, 41a, 41b Special Studies arranged in consultation with the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in German. *Two or three hours*.

C. Germanic Philology

- 42a *Historical Survey of the German Language*. Miss Schnieders.

D. Graduate Courses

- 50, 50a, 50b Research and Thesis. *Three or six hours*.

GERMANIC LANGUAGES & LITERATURES

51, 51a, 51b Special Studies in the fields of literature and linguistics arranged in consultation with the Department. *One hour or more.*

Adviser of graduate study: Mr Paulsen.

THE MAJOR

Adviser: Miss Schnieders.

Based on 11b or 12.

Essential Courses: 21, 35b, 40b, and nine semester hours of other German courses above Grade II.

Optional Courses: courses in German except 27a and b, in literature, history, or philosophy.

HONORS

Director: Mr Paulsen.

Prerequisites: 21, 26, or the equivalent.

Program: a minimum of forty-eight semester hours.

Requirements: a minimum of twenty-four semester hours in the Department; twelve hours in related fields; three or six in first semester of senior year on the preparation of a paper; three in second semester on directed reading.

Examinations: an examination on the general field; one on a specialized field; and an analytical examination which may include such topics as problems of analysis, criticism, and style, translation from German into English and from English into German, a composition in German.

UNITS

The Department will offer units in the fields of linguistics, literature, and language for honors students in German or for honors students in other departments who have had a Grade II course in German. In addition units conducted in English will be offered for honors students in other departments who have had no German.

GOVERNMENT

PROFESSORS:	BENJAMIN FLETCHER WRIGHT, PH.D., LL.D. †GWENDOLEN MARGARET CARTER, PH.D., <i>Chairman</i>
VISITING PROFESSOR:	VERA MICHELES DEAN, PH.D., LL.D.
ASSOCIATE PROFESSOR:	ALAN BURR OVERSTREET, PH.D., <i>Acting Chairman</i>
ASSISTANT PROFESSORS:	CECELIA MARIE KENYON, PH.D. §ROY PIERCE, PH.D.
LECTURER:	DANIEL AARON, PH.D.
INSTRUCTORS:	DONALD ROWE MATTHEWS, A.M. JOHN WILLIAM CHAPMAN, A.M.

Among the courses which may be taken to fulfill the distribution requirement in Group E are Government 11, 21, 31, 37, 323, Social Science 192.

For students planning to major or to do honors work in the Department, 21, History 11, Economics 21, and Sociology 26 are suggested. See also the honors program.

11 *Introduction to Politics.* Leading problems, principles, and concepts in political science. For freshmen and sophomores only; not open to students who have taken Social Science 192. Two lectures and one recitation. Lec. M T 12. Rec. W 9, 12, 2; Th 11, 12, 3; F 11, 2. Mr Overstreet, Mrs Dean, and members of the Department.

11a The first semester of 11 for sophomores who have passed Social Science 192. Hours and instructors as in 11.

21 *American Government.* A survey of American government—national, state, and local. Primarily for sophomores, and for juniors and seniors not majoring in the Department. Th F S 11.

31 *Comparative Government.* Ideas and institutions of democratic and totalitarian governments, and special attention to England, France, Germany, and Russia in comparison with the United States. Recommended preparation, 11 or History 11. M T W 9. Mrs Dean.

[32b *The Commonwealth of Nations.* Its development and organization, and a study of political ideas and institutions in Canada, Australia, New Zealand, South Africa, India, Pakistan, and Ceylon. Th F S 10. Miss Carter.]

[33a *American Constitutional Development.* The origins and framing of the Constitution; contemporary interpretations; the study of Supreme Court decisions, documents, and other writings dealing with the interpretation of the Constitution, with emphasis upon changing ideas concerning federalism, property rights, and civil liberties.]

GOVERNMENT

- 33b *American Constitutional Law*. Powers of the national government and fundamental rights of citizens as interpreted by decisions of the Supreme Court. Th F S 12.
- 34a *American Politics: Political Parties*. Their techniques and their place in the American system. M T W 3. Mr Matthews.
- [34b *American Politics: Pressure Groups*. A study of their role in American politics and their effect on the theory and practice of "government by public opinion."]
- 35a *International Law*. M T W 11.
- 36a *Public Administration*. A study of the role of the administration in the formulation and execution of public policy; administrative techniques and popular control; and government regulation of the economy. Th F S 9. Mr Chapman.
- [36b *Public Administration*. Political aspects of government regulation, with emphasis on transportation, public utilities, housing, and atomic energy development.]
- 37 *International Relations*. The context, practices, and problems of international politics; an introduction to international law and international organization; the conflict of foreign policies. Open by permission of the instructor to sophomores who have taken 11. M T W 10. Mr Overstreet.
- 38a *American Political Thought*. A history of American ideas concerning politics from the colonial period to the present. Th F S 10.
- 322a *Foreign Policy of the United States to 1898*. W Th F 2. Miss Bornholdt.
- 322b *Foreign Policy of the United States since 1898*. M T W 11. Mr Overstreet.
- 323 *History of Political Thought from Plato to the Present*. Greek political philosophy, the Stoics, medieval theory, rise of the nation-state, and approaches to an international world order. Designed to provide a foundation for the understanding of current political problems. Th F S 11. Miss Kenyon.
- 342b *Local Government and Politics*. Policy-making and administration in municipal and rural government, including the study of political machines and urban planning. M T W 3. Mr Chapman.
- 40b Directed reading required of seniors majoring in the Department. Miss Kenyon and members of the Department.
- 41, 41a, 41b Special Studies in advanced work arranged for individuals or small groups. By permission of the Department for senior majors who have had twelve semester hours above Grade I in government. *Two or three hours*.

GOVERNMENT

42b *Seminar in Contemporary Political Thought*. By permission of the instructor.

43a *Seminar in International Organization*. By permission of the instructor. Mrs Dean.

44a *Seminar in American Government*. By permission of the instructor. Mr Chapman.

45a *Seminar in Comparative Institutions*. By permission of the instructor.

46b *Seminar in American Political Thought*. By permission of the instructor. Mr Aaron.

HISTORY AND SOCIAL SCIENCE 495b *Interdepartmental Seminar in Economics, Government, History, and Sociology*. See "Interdepartmental Courses," p. 49.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced Studies. *Two or three hours*.

[55a], 55b Seminar.

Adviser of graduate study, Mr Overstreet.

THE MAJOR

Advisers: Miss Carter, Miss Kenyon, Mr Overstreet, Mr Pierce.

Based on 11 or Social Science 192 and Government 11a, or in exceptional circumstances on a satisfactory combination of courses approved by the chairman.

Essential courses: 323, 40b, and twelve semester hours in government.

Optional courses: nine semester hours selected from government and approved courses in history, economics, sociology, philosophy, or religion.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

HONORS

Director: Miss Kenyon.

Prerequisites: 11 and an introductory course in history, economics, or sociology; or Social Science 192 and Government 11a and one introductory course in history; or in exceptional circumstances a satisfactory combination of courses approved by the director.

Minimum requirement: (1) one unit or seminar in junior and in senior year; (2) the unit in political theory or 323 in junior year; (3) a long paper, normally three hours each semester of senior year; (4) directed reading, normally three hours, in second semester of senior year.

Examinations: comprehensive examinations consisting of a general examination in political science and theory, one in the special field, and one in a specific subject.

GOVERNMENT

UNITS

Political Theory. First semester. Miss Kenyon.

Comparative Government. Second semester.

International Law and Relations. Second semester. Mr Overstreet.

[*Studies in the American Democratic Tradition.* Second semester. Mr Aaron.]

American Politics. First semester.

HISTORY

PROFESSORS:

**SIDNEY R. PACKARD, PH.D.

**HAROLD UNDERWOOD FAULKNER, PH.D., L.H.D.

**VERA BROWN HOLMES, PH.D.

LEONA CHRISTINE GABEL, PH.D.

ASSOCIATE PROFESSORS:

JEAN STRACHAN WILSON, PH.D., *Chairman*

ELISABETH KOFFKA, PH.D.

MAX SALVADORI, DR.SC. (POL.)

ASSISTANT PROFESSORS:

LAURA ANNA BORNHOLDT, PH.D.

JANE ELEANOR RUBY, PH.D.

KLEMENS VON KLEMPERER, PH.D.

JOHN DUNN DAVIES, M.A.

INSTRUCTOR:

NELLY SCHARGO HOYT, PH.D.

The prerequisite for all courses above Grade I in the Department is 11, 12, or 13.

The distribution requirement in Group D may be met by any one of these courses. Qualified students who may wish to fulfill this requirement by taking courses of Grade II should consult the chairman of the Department.

11 *General European History.* A survey of the history of Europe from the decline of the Roman Empire to the present. One lecture and two recitations. Lec. M 2. Rec. T W 10, 11, 12, 2; Th F 9, 10, 11, 12. Members of the Department. Director, Mr von Klemperer.

12 *The Ancient World.* A survey of Mediterranean civilizations to the fall of the Roman Empire. Two lectures and one recitation. Lec. M T 10; Rec. W 10, 12, 3.

13 *History of the Western Hemisphere.* A study of the Americas from the age of discovery to the present: the European heritage, the growth of colonial societies, imperial rivalries, the development of a variety of cultural patterns, and the evolution of the United States, Canada, and the Latin American nations in their world setting in the nineteenth and twentieth centuries. Th 9, 10, or 12 and F S 9. Mrs Holmes with the cooperation of Mr Faulkner, Miss Bornholdt, Mr Davies and others.

24a *Early English History to 1603.* M T W 11. Mr Packard.

- 24b *English History since 1603*. M T W 11. Miss Wilson.
- [28 *History of the United States*. A survey of the life of the American people from the eighteenth century to the present, emphasizing cultural and economic as well as political factors in the development of the nation. Th F S 10.]
- [32a *The Ancient Near East*. Civilization in Egypt, Mesopotamia, Asia Minor, Syria, Palestine, and Persia. Open to sophomores by permission of the instructor. M T W 9.]
- [32b *The Struggle for Democracy and Liberty in Ancient Greece and Rome*. Open to sophomores by permission of the instructor. M T W 9.]
- 33a *History of Greece in the Age of Pericles*. A study of Greek civilization at its height, with an epilogue on the Hellenistic period. Open to sophomores by permission of the instructor. M T W 9.
- 33b *The Roman Empire*. Chiefly a social and political study. Open to sophomores by permission of the instructor. M T W 9.
- [34b *Economic and Social History of Europe in the Middle Ages*. Recommended background, 11, 24a, or 35b. M T W 10. Mr Packard.]
- 35b *Cultural History of Europe in the Middle Ages*. Recommended background, 11, 24a, or 34b. M T W 10. Miss Ruby.
- 36 *Age of the Renaissance and Reformation*. A study of the transition from medieval to modern times. Th F S 9. Miss Gabel.
- 38a *Intellectual History of Europe in the Eighteenth Century*. Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Koffka.
- 38b *Intellectual History of Europe in the Nineteenth Century*. Main trends of thought in their relation to the political, social, and economic background. M T W 11. Mrs Koffka.
- 39 *Modern European History*. Political, economic, and social developments during the nineteenth and twentieth centuries. M T W 12. Mr Salvadori.
- [310a *Modern Britain*. Political, social, and intellectual history of Britain in the nineteenth and twentieth centuries. To alternate with 311a. M T W 11. Miss Wilson.]
- 311a *England under the Tudors and Stuarts*. Political, social, and intellectual history of England in the sixteenth and seventeenth centuries. To alternate with 310a. M T W 11. Miss Wilson.

HISTORY

- 316a *Modern Imperialism*. Changing conceptions of imperialism in the nineteenth and twentieth centuries under the impact of power politics and ideological factors, with special reference to British, French, and Russian rivalries in Asia and Africa. Th F S 11. Mrs Holmes.
- 317a *History of Russia from the Kievan Period to the Present*. Th F S 10. Mr von Klemperer.
- 317b *The Far East in Modern Times*. A survey of political, economic, and diplomatic developments, with emphasis on China and Japan. Th F S 10.
- [319a *The American Nation: the Middle Period, 1815-40*. Th F S 10.]
- 320a *History of the United States in the Twentieth Century*. Effects of social and technological changes on the economic problems of the American people, their political interests and party organizations, cultural development, and relations with the rest of the world. M T W 11. Mr Faulkner.
- 321a *American Intellectual History, 1607-1865*. Early development of significant American ideas and social attitudes in relation to social and economic environment. Special emphasis on interchange of American and European ideas, agencies of intellectual life, and developments in religion, science, and the arts. Th F S 11. Mr Davies.
- 321b *American Intellectual History, 1865-1950*. The historical background of contemporary American thought, emphasizing the influence of industrialism, science, and religion. Th F S 11. Mr Davies.
- 322a *Foreign Policy of the United States to 1898*. W Th F 2. Miss Bornholdt.
- 322b *Foreign Policy of the United States since 1898*. M T W 11. Mr Overstreet.
- 323a *American Economic History since 1865*. Economic development of the United States and its influence upon political history. M T W 10. Mr Faulkner.
- 325a *Latin American History*. Political, economic and cultural development of the Spanish American states and Brazil in the nineteenth and twentieth centuries. Open to sophomores by permission of the instructor. W Th F 3. Mrs Holmes.
- [331b *Modern Historical Thought*. A study of philosophies and general interpretations of history from the eighteenth century to the present. For seniors majoring in history, for nonmajors by permission of the instructor. Th F S 9. Miss Ruby.]
- 40b Senior Symposium. An examination of the problem of historical truth and of the major questions of historical interpretation. Discussions and lectures. Members of the Department. Director, Miss Ruby.

HISTORY

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours in history above Grade I. *Two or three hours.*

Undergraduate Seminars

These courses are limited to ten students and are open with the permission of the instructors to seniors, and to juniors who have completed a second course in history. They will ordinarily meet each week for two hours, counting as *three*. In special cases honors students may be permitted to take a seminar for *six* hours credit.

[43b *Ancient History*. Problems in the decay of civilization drawn from the decline of ancient Greece and Rome.]

[44b *The Medieval Town of the Twelfth and Thirteenth Centuries*. T 4. Mr Packard.]

46b *The Age of the Renaissance*. For 1953, the Renaissance in Italy and its reflection in art. Open to majors in history and art. Miss Gabel, Mrs Kennedy.

48a *Revolution and Dictatorship*. The French Revolution and Napoleon, with special attention to the influence of liberal thought, the role of pressure groups, development of nationalism and imperialism, and rise of dictatorships. Miss Gabel.

49b *Problems of Social Reconstruction in Modern Britain*. Miss Wilson.

410a *The Growth of Liberal Institutions in European States, 1848-1913*. M 4. Mr Salvadori.

411a *Romanticism and Liberalism*. Main currents of thought in the first half of the nineteenth century, with special attention to their influence on the political developments during this period. Th 7:30. Mrs Koffka.

[411b *Selected Topics from the History of German Nationalism*. Th 4. Mr von Klemperer.]

413a *The Early National Period: Business and American Life*. The emergence of the business class after 1789 and its influence on politics, thought, education and religion. Mr Davies.

415b *United States Foreign Policy since 1898*. The seminar will concentrate on the Far East and its problems. Th 4. Miss Bornholdt.

[420b *Inter-American Relations*. Problems in the relations of the United States with Latin America and Canada since 1900. Th 4. Mrs Holmes.]

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. See page 49.

HISTORY

Graduate Seminars

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Special problems in advanced work in history, arranged individually with graduate students. *One hour or more.*

55b *Modern European History: Nationalism and Socialism after 1880.* M 4. Mr Salvadori.

[56b *Early American History.*]

57a *Recent American History.* Mr Faulkner.

[58a *Modern Imperialism.* Selected Topics. Mrs Holmes.]

Adviser of graduate study: Mrs Holmes

THE MAJOR

Advisers: Mrs Holmes, Miss Gabel (*Chairman*), Mr Packard, Mrs Koffka, Mr Salvadori, Miss Ruby, Mr von Klemperer, Mr Davies, Mrs Hoyt.

Based on 11, 12, 13, or an equivalent course. Students who have been exempted from the distribution requirement in Group D are expected to take six semester hours in the Department in their first two years if they wish to major in history.

Essential Courses: 40b and eighteen semester hours in history.

Optional Courses: nine semester hours in history or in related departments.

Major programs may be arranged to correlate work in history and related subjects in such broad fields as ancient civilization, medieval or Renaissance studies, modern Europe, or area studies (*e.g.* the Americas).

Majors may spend the Junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

Attention is called to the Interdepartmental Major in American Studies.

HONORS

Director: Miss Bornholdt.

Prerequisites: two courses in history or one course in history and one in a field appropriately related to the honors program.

Program: the fixed requirements for all candidates will consist of a minimum of twenty-four semester hours in history, plus six semester hours in history or in appropriately related courses in other departments. The required twenty-four semester hours in history will include at least six semester hours in units or undergraduate seminars offered by the Department, the unit, *History and Historians*, and, in senior year, a long paper.

Examinations: (1) a general comprehensive examination assuming some preparation in each of the fields—Europe before 1648, Europe since 1648, American history; (2) an examination on historical literature and method; (3) a special

HISTORY

examination in one of the following fields: ancient, medieval, early modern, Europe since 1789, American. Students will construct their programs with this distribution and emphasis in mind.

UNITS

History and Historians (introductory unit). A study of great historians and of the development of historical thought. M 7:30. First semester. Members of the Department. *Director*, Miss Ruby.

Ancient History. Second semester.

Medieval France. Second semester. (First semester 1952.) Mr Packard.

Western Europe in the Seventeenth Century, or England in the Sixteenth and Seventeenth Centuries. First semester. Miss Wilson.

American Intellectual History, 1730-1900. T 4. First semester. Miss Bornholdt.

Modern Imperialism. First semester. Mrs Holmes.

Modern Europe. Second semester. Mrs Koffka.

HYGIENE & BACTERIOLOGY

PROFESSORS:	MARION FRANCES BOOTH, A.B., B.SC., M.D., College Physician, <i>Chairman</i>
ASSOCIATE PROFESSORS:	K. FRANCES SCOTT, PH.B., M.D. FRANCES CAMPBELL MCINNES, A.M., M.D. ELINOR VAN DORN SMITH, PH.D., <i>Subchairman</i>
ASSISTANT PROFESSORS:	ELIZABETH DOROTHY ROBINTON, PH.D. MARTHA VENETIA DORAN, A.B., M.D. MARGARET SYBIL MELCHER, A.B., M.D.

HYGIENE

The requirement in hygiene may be met in one of four ways: (a) by passing an approved course in secondary school (students will be notified if their courses are approved); (b) by passing an examination given at the opening of college; (c) by completing 11a; (d) by completing 12a. The requirement must be completed by the end of the first year in college.

The exemption examination will cover the hygiene of all systems of the body and the prevention of communicable diseases.

11a *Hygiene Lectures*. Body mechanics, nutrition, vision and lighting, mental hygiene, the reproductive systems, and control of communicable diseases. One hour without credit. Students will be assigned to lecture hour. Dr Scott.

11b Repetition of 11a for students who failed or who have permission to postpone the requirement.

NOTE.—Students who take 11a or b must carry it in addition to the minimum of fifteen hours.

HYGIENE & BACTERIOLOGY

- 12a *Hygiene of the Individual*. A discussion of each body system and function, and the differing health requirements at various age levels and under varying living conditions. M T W 3. Dr Scott.
- 12b *Hygiene of Group Living*. Elementary study of community health problems, including a discussion of preventable diseases and environmental health hazards, together with modern methods and official agencies for their control. Optional field trips. M T W 3. Dr Scott.
- 21b *Modern Public Health Movements*. Survey of the developing concept of public health since the eighteenth century, with consideration of the functions of official and nonofficial agencies; detailed study of major modern problems of public health; discussion of recent proposals for the socialization of medical care. Two afternoon field trips will be required. M T W 2. Dr Scott.
- 53b *Health Education*. Special problems of personal and environmental hygiene applying to the physical activity, growth, and health of school children, and to school buildings and playgrounds. For graduate students in physical education, or by permission of the instructor. Dr Scott.
- 54a *Advanced Health Education*. Construction of teaching units in the fields of personal and community health. Practice teaching. Prerequisite, 53b. Dr Scott.

BACTERIOLOGY

- 22 *General Bacteriology*. A systematic study of representative groups of bacteria with emphasis on their relation to domestic, economic, and public health problems. Prerequisite, Chemistry 11. Two lectures and two two-hour laboratory periods. Lec. M T 10, Lab. M W 2. Miss Robinton.
- 27a *General Microbiology*. Outline of the biological relationships of microorganisms to higher forms of life and the interrelationships among microorganisms. Lectures and demonstrations. M T W 12. Miss Smith.
- 27b *Microorganisms of Importance to Man*. A study of microbial activities in relation to the life of the individual and the community. Prerequisite, 27a. Lectures and demonstrations. M T W 12. Miss Smith.
- 34 *Advanced Bacteriology and Serology*. Basic theories and applications of bacteriological and serological methods for the identification of pathogenic bacteria. Prerequisite, 22. One lecture and five hours of laboratory. Lec. Th. 2; Lab. Th 3-5 F 2-5. Miss Smith.
- 40b *Microbiology and Serology in the Twentieth Century*. Readings and discussion. Miss Smith, Miss Robinton.

HYGIENE & BACTERIOLOGY

- 41, 41a, 41b Special Studies in bacteriology and serology. By permission of the Department for senior majors who have had twelve semester hours in essential courses in the major above Grade I. *Two or three hours.*
- 42b *Pathogenic Fungi and Antibiotics.* Systematic studies of the higher bacteria and fungi of medical importance. Prerequisites, 22 and first semester of 34 or Botany 34a. Two lectures and two two-hour laboratory periods. Miss Robinton.
- 43a *Seminar in Backgrounds of Bacteriology.* A survey of the discoveries and developments in scientific thinking which culminated in the science of bacteriology. Prerequisite, 22 or 27b. Miss Robinton.
- 44b *Journal Seminar.* A study of source materials including current periodicals in bacteriology and immunology. By permission of the instructors for students who have passed or are taking 34. *One hour.* Miss Smith, Miss Robinton.
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51a, 51b Advanced Studies. *One hour or more.*
- 55a, 55b *Problems in Bacteriology and Serology.* *Two hours or more.* Miss Smith, Miss Robinton.
- 56b *Problems in Pathogenic Fungi and Antibiotics.* *Two hours or more.* Miss Robinton.

Adviser of graduate study: Miss Robinton.

Attention is called to the Interdepartmental Major in Bacteriology, page 137.

ITALIAN LANGUAGE & LITERATURE

PROFESSOR:	MICHELE FRANCESCO CANTARELLA, A.M., <i>Chairman</i>
ASSOCIATE PROFESSOR:	RUTH ELIZABETH YOUNG, A.M.
INSTRUCTOR:	MARIA TERESA ARRIGHI, DOTTORE IN LETTERE

The course in Italian which may be taken to fulfill the distribution requirement in Group A is 26.

Students planning to major in Italian who have entered with only two units of an inflected language will be required to take Latin 12a, Greek 12a, or six hours of the classics in translation: Classics 18a, 18b, 28, 29b.

11b or 12 is the prerequisite for 26, 36, 37, 38, and 39.

- 11 *Elementary Course.* Five class hours. M T W 11, Th F S 10, two hours to be arranged. Mr Cantarella, Miss Arrighi.

ITALIAN LANGUAGE & LITERATURE

- 11b *Elementary Course* (covering the work of two years). *Six hours each semester.*
M T W Th F S 9, 12; additional hours to be arranged for conversation in place of some preparation. Mr Cantarella, Miss Arrighi. (L)
- 12 *Intermediate Course.* Reading from modern Italian literature, with grammar and composition. Prerequisite, two units in Italian or 11. M T W 11. Mr Cantarella. (L)
- 26 *Survey of Italian Literature.* Reading of outstanding works, with cultural and social background. Th F S 10. Miss Arrighi. (L)
- [31a, 31b *Advanced Composition and Translation.* Mr Cantarella, Miss Young.]
- 36 *Dante: Vita Nuova, Divina Commedia.* M T W 10. Mr Cantarella.
- [37 *Major Literary Figures from Petrarch to Tasso.* Miss Young.]
- 38 *Literature of the Eighteenth and Nineteenth Centuries.* Miss Arrighi.
- [39 *Contemporary Literature.* Mr Cantarella.]
- 40b Directed Reading and Review.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Italian. *Two or three hours.*
- 50, 50a, 50b Research and Thesis. *Three or six hours.*
- 51, 51a, 51b Advanced Studies. *One hour or more.*
- Adviser of graduate study: Mr Cantarella.

THE MAJOR

Adviser: Mr Cantarella.

Based on 11b or 12.

Essential Courses: 26, except for those who spend the junior year in Italy, 36, 40b, and one other course of Grade III.

Optional Courses: closely related courses in allied fields such as history, literature, art, and music.

HONORS

Director: Miss Arrighi.

Prerequisite: 11b or 12.

Program: to be arranged with the director; three hours on an independent piece of work.

Examinations: one on the general field of literature; one on the field of specialization; one on linguistic preparation.

MATHEMATICS

PROFESSOR:	NEAL HENRY MCCOY, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSOR:	RICHARD EDWARD JOHNSON, PH.D.
ASSISTANT PROFESSOR:	ANNE FRANCES O'NEILL, PH.D.

Students planning to take courses in mathematics are expected to offer at least three units of mathematics for entrance; those planning to major in mathematics are advised to take in the first two years Mathematics 12, 21 or 13, 22a. A course in astronomy or physics is also recommended. For additional preparation for honors work, see the honors program.

12 *Mathematical Analysis*. Trigonometry; analytic geometry; elements of calculus. Prerequisite, three units of mathematics not including trigonometry. M T W 10, Th F S 11. Mr McCoy, Miss O'Neill.

NOTE.—Credit will be given for the first semester, if it is followed in the same year by Astronomy 24b.

13 *Analytic Geometry, Differential Calculus*. Prerequisite, at least three units of mathematics including trigonometry. M T W 10, Th F S 11. Mr Johnson.

21 *Differential and Integral Calculus*. A continuation of 12. Prerequisite, 12. M T W 9. Mr McCoy.

22a *Differential and Integral Calculus*. A continuation of 13. Prerequisite, 13. M T W 9. Miss O'Neill.

24b *Intermediate Calculus*. Partial derivatives, multiple integrals with applications to physical problems, infinite series. Prerequisite, 22a. M T W 9. Miss O'Neill.

31b *Differential Equations*. Solution and application of ordinary differential equations. Prerequisite, 21 or 22a. Th F S 10. Miss O'Neill.

[32b *Foundations of Geometry*. An introduction to the axiomatic study of Euclidean and non-Euclidean geometry and to certain concepts in topology. Prerequisite, three semester hours of mathematics above Grade I or permission of the instructor. Th 2-4, F 2.]

[33a, 33b *Higher Algebra*. Topics from the theory of equations, and an introduction to modern abstract algebra. 33a for students who have passed or are taking 21 or 22a; prerequisite for 33b, 33a. M T W 10. Mr Johnson.]

[34a *Projective Geometry*. Prerequisite, 12 or 13. T F S 10. Mr McCoy.]

MATHEMATICS

- [35b *Theory of Numbers*. Properties of integers including divisibility, theory of congruences, primitive roots, theorems of Fermat and Wilson. Prerequisite, three semester hours of Grade III in mathematics or permission of the instructor. T F S 10. Mr McCoy.]
- 36a *Infinite Series*. Prerequisite, 21 or 24b. Th F S 10. Miss O'Neill.
- [38b *Solid Analytic Geometry*. For students who have passed 21 or 22a or are taking 21. M T W 10. Mr McCoy.]
- 39a *Theory of Probability*. An introduction to the mathematical theory of probability including combinatory analysis, simple and conditional probability, binomial and normal distributions. For students who have passed or are taking 21 or 22a. M T W 10. Mr McCoy.
- 40b Seminar.
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in mathematics. *Two or three hours*.
- 43 *Advanced Calculus*. A study of functions of two or more variables. Prerequisite, 21 or 22a. M T W 11. Mr Johnson.
- 48a, 48b Honors paper, review, and coordination. For seniors.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 52a, 52b *Special Studies in Topology and Analysis*. *One hour or more*.
- 53a, 53b *Special Studies in Modern Geometry*. *One hour or more*.
- 54a, 54b *Special Studies in Algebra*. Theory of numbers, theory of groups, matrices and determinants, and modern algebraic theories. *One hour or more*.
- Adviser of graduate study: Mr Johnson.

THE MAJOR

Advisers: Mr Johnson, Miss O'Neill.

Based on 12 or 13.

Essential Courses: 21 or 22a, 40b, and other courses in mathematics, making a total of twenty-one semester hours, of which at least twelve must be above Grade II.

Optional Courses: other courses in mathematics.

Astronomy, courses above Grade I except 21a or b.

Physics, courses above Grade I.

Economics 38; Chemistry 43; Philosophy 21a or b, 31b.

MATHEMATICS

HONORS

Director: Miss O'Neill.

Prerequisites: 12 and 21 or 13 and 22a. A course in astronomy or physics is recommended, and a reading knowledge of German or French.

Program:

Essential Courses: 43, 48a, 48b.

Optional Courses: other courses in mathematics or courses in related fields chosen in consultation with the director.

Examinations: one will cover the common background of all majors, two will test the field of specialization.

MUSIC

PROFESSORS:

JOHN WOODS DUKE
SOLON ROBINSON
DORIS SILBERT, A.M., *Chairman*
ALVIN DERALD ETTLER, MUS.B.

ASSOCIATE PROFESSORS:

RAYMOND PUTMAN
WILLIAM BEAUMONT SCATCHARD, B.MUS., B.S.
BIANCA DEL VECCHIO, DIPLOMA DI MAGISTERO
MARION DERONDE, A.B.
GERTRUDE PARKER SMITH, A.M.
LOUISE ROOD, A.M.
ANNA HAMLIN

ASSISTANT PROFESSORS:

IDA DECK HAIGH
JOHN KENNEDY HANKS, A.M.
PHILIP KEPPLER JR., M.F.A.

DIRECTOR OF CHORAL

MUSIC:

IVA DEE HIATT, M.A.

INSTRUCTOR:

VERNON DETWEILER GOTWALS, M.F.A.

CURATOR:

RUTH MARGARET AGNEW, M.A.

The courses in music which may be taken to fulfill the distribution requirement in Group B are 13, 23. However, if a student is considering a major in the Department, 13 is not advised.

A. COMPOSITION

11 *Elementary Course*. Materials of composition: melodic, rhythmic, and harmonic. Three class hours. *Two hours each semester*. M T W 10, 12; W Th F 3; Th F S 10, 11. Miss Silbert (*Director*), Miss Smith, Miss Rood, Mrs Haigh, Mr Gotwals.

MUSIC

- 21 *Intermediate Course*. Realization of figured bass and exercises in linear writing. Prerequisite, 11. Not open to students who have taken or are taking 22. *Two hours each semester*. Two sections, M T 3. Miss Smith, Miss Rood.
- 22 *Intermediate Course*. Primarily for students who plan to take 33. Emphasis on counterpoint. Prerequisite, 11. Not open to students who have taken or are taking 21. *Two hours each semester*. F 4-6. Mr Etler.
- 33 *Composition in Small Forms*. Prerequisite, 22. Th 7-10. Mr Etler.
- 42 *Composition for Small Instrumental Groups*. Prerequisite, 33. Mr Etler.

B. LITERATURE

Unless otherwise stated the prerequisite for Grade III courses in this division is 23.

- 13 *Listeners' Course*. Observation of the elements of music and of musical composition. No previous training in music is required. This course may not be taken as the theory requirement by students receiving credit for practical music. M T 4 and a third hour to be arranged for sections. Mr Keppler.
- 23 *General History of Music*. Prerequisite, 13 or 11. W Th F 3. Miss Silbert.
- 31a *Tonal Organization*. Practice in analytical techniques. Prerequisite, 21 or 22. M T W 10. Miss Smith.
- 34a *Solo Song*. Study of representative works to 1920. M T W 12. Miss Smith.
- 35a *Symphonic Developments in the Nineteenth Century*. W Th F 3. Miss Rood.
- 35b *Nineteenth Century Opera*. W Th F 3. Mr Keppler.
- 38a *Haydn and Mozart*. M T W 9. Miss Silbert.
- 38b *Bach, Handel, and Their Contemporaries*. Study of representative vocal and instrumental works. M T W 11. Miss Smith, Miss Rood.
- 311b *Chamber Music in the Nineteenth Century*. M T W 10. Miss DeRonde.
- 313b *The Literature of the Pianoforte*. M T W 12. Mr Duke.
- 40b Synoptic Course, to correlate the various approaches to the study of music: analytic, historical, critical. Required of senior music majors. Th 4-6. Members of the Department.
- 41, 41a, 41b Special Studies in the theory and literature of music. By permission of the Department for senior majors who have had twelve semester hours above Grade I in music. *Two or three hours*.

MUSIC

- [43b *Vocal Polyphony*. Study of representative works up to 1630. M T W 11. Miss Smith.]
- 44b *Studies in the Criticism of Music*. Various aspects as represented in important literary works. Two class hours. Miss Silbert.
- 45a *Modern Music*. Prerequisite 31a. Th F 11. Mr Etler.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51, 51a, 51b Advanced studies arranged on consultation with the Department. *One hour or more*.
- 52a Graduate Seminar. Special topics. Mr Keppler.
- 53b *Precedents for Contemporary Procedures*. Mr Etler.

C. MUSIC PEDAGOGY

Music 320, 321a, and 46, combined with practical music and certain courses in education, are necessary for teaching music in schools. Students should consult Mrs Scatchard as early as possible in the college course. Students who wish to specialize in secondary school music are permitted to take 46 without the prerequisite of 320.

320 *Elementary School Music*. Music education from preschool through sixth grade. For students who have passed 11 and have passed or are taking 23. *Two hours each semester*. M T 2. Mrs Scatchard.

321a, 321b *Choral Conducting*. Fundamentals of conducting; study of various styles of choral music suitable for school and amateur groups. Prerequisite for 321b, 321a. Two class hours. *One hour*. T 4-6. Mrs Scatchard.

46 *Advanced School Music*. Music in junior and senior high schools. T W 12 and one hour of observation and participation to be arranged. Mrs Scatchard.

D. PRACTICAL MUSIC

Courses are offered in piano, organ, voice, violin, viola, violoncello, flute, oboe, clarinet, bassoon, and instrumental ensemble. There are fees for all courses involving individual instruction and for the use of practice rooms. These fees are listed on page 146 of the *Catalogue*.

Students taking practical music (Division D) to be counted within the minimum fifteen-hour program must take and pass at least an equal number of credit hours from Divisions A, B, or C (except 13). Any course in Division D and its accompanying course in Division A, B, or C may be counted together as one of the required number of three-hour courses, but each course will receive its full credit.

MUSIC

Courses of Grades I and II require one hour of individual instruction and six hours of practice per week and receive *two hours* of credit each semester. *Exceptions* to this are Music 141, courses in instrumental ensemble (see below), and courses taken in conjunction with Composition 33 or 42, which require nine hours of practice and receive *three hours* of credit each semester.

Courses of Grades III, IV, and V, if counted within the minimum fifteen-hour program, will require one hour of individual instruction and nine hours of practice and receive *three hours* of credit each semester.

Qualified students may divide the course, combining two hours credit in one instrument with one hour credit in a related instrument or in ensemble.

For upperclass students who are not majoring in music, a course carrying two hours credit is available if taken above the minimum fifteen-hour program.

No student in practical music will be admitted to a course above Grade II who has received a mark lower than C in the previous course in the same branch.

Before registering for any course in practical music the student must consult members of the Department at the College in May or during the days just previous to the beginning of the first semester.

VOICE, STRINGED INSTRUMENTS, WIND INSTRUMENTS. Students who wish to enter these courses must have the permission of the instructor. Permission will be granted on the basis of musical aptitude and ability. Candidates for scholarships must perform a piece of their own choice.

PIANO. The candidate will be expected to play three pieces representing different styles in piano literature, preferably selected from the following groups, but substitutes may be presented with the approval of the Department. (1) Bach: Little Preludes and Fugues, French Suites, Clavecin Book of Anna Magdalena Bach, Inventions. (2) Clementi: Sonatas or Sonatinas (one movement); one movement from sonatas of Haydn or Mozart, or of Beethoven, op. 2, 10, 14, or 49. (3) Mendelssohn: "Songs without Words"; Schumann: "Kinderszenen"; Chopin: Waltzes, Preludes, Nocturnes, Mazurkas; Schubert: Impromptus, Moments Musicaux; Grieg: "Lyric Pieces"; Field: Nocturnes; MacDowell: "Woodland Sketches," "Sea Pieces."

ORGAN. The prerequisite for organ courses is Music 121 or its equivalent.

Piano

Mr Duke, Mr Robinson, Mr Putman, Miss del Vecchio, Mrs Haigh.

121, 222, 323, 424, 525 Study of technique and representative literature.

Organ

Mr Gotwals.

232, 333, 434, 535 Study of technique and representative literature.

Voice

Miss Hamlin, Mr Hanks.

141 This course will require two class hours, one half-hour lesson and four hours of practice per week. *One hour each semester.* M T 2; Th F 12.

242, 343, 444, 545 Study of technique and representative literature.

Violin

Miss Rood.

151, 252, 353, 454, 555 Study of technique and representative literature.

Viola

Miss Rood.

161, 262, 363, 464, 565 Study of technique and representative literature.

Violoncello

Miss DeRonde.

171, 272, 373, 474, 575 Study of technique and representative literature.

Flute, Oboe, Clarinet, Bassoon

Mr Etler, *Director*, and staff.

181, 282, 383, 484, 585 Study of technique and representative literature.

Instrumental Ensemble

Miss DeRonde.

191a, 191b, 292a, 292b, 393a, 393b, 494a, 494b. Open to qualified students who are taking an instrumental course. These courses require one hour lesson and three hours of practice per week. *One hour each semester.*

THE MAJOR

Advisers: Miss Silbert, Miss Rood.

Based on 11.

Essential Courses: 21 or 22, 23, 31a, 40b, and five semester hours above Grade II.

Optional Courses: related courses in other fields.

HONORS

Director: Miss Smith.

Prerequisites: 11, 21 or 22, 23.

Program: students will fulfill the requirements of the major, present a paper or

MUSIC

composition, and take a minimum of nine semester hours in other departments. Apart from these requirements the program will be planned with the director to meet individual needs.

Examinations: one general comprehensive; one involving critical analysis on a limited field of concentration in literature or composition; one oral.

Adviser for graduate study: Miss Rood.

PHILOSOPHY

PROFESSORS:	MARY EVELYN CLARKE, PH.D. EDGAR WIND, PH.D. **ALICE AMBROSE LAZEROWITZ, PH.D.
ASSOCIATE PROFESSORS:	MORRIS LAZEROWITZ, PH.D., <i>Chairman</i> DOROTHY WALSH, PH.D.
VISITING LECTURER:	*ANITA DUNLEVY FRITZ, PH.D.
INSTRUCTOR:	GERALD E. MYERS, A.M.

The courses in philosophy which may be taken to fulfill the distribution requirement in Group C are 11, 22, 24, 33.

11 *Introduction to Philosophy*. Reading and discussion of some of the most important classic and modern philosophical works, to introduce the student to such topics as the relation of mind and body, sources of knowledge, freedom and determinism, nature and status of ideals. M T W 9, 10; Th F S 9, 12. Mrs Lazerowitz, Miss Walsh, Mrs Fritz, Mr Myers.

21a *Logic*. Introductory course, including study of common fallacies in reasoning, theory of the syllogism, and some modern developments. The course is intended to train the ordinary student in effective use of principles of correct thinking. Th F S 9. Mrs Lazerowitz.

21b Repetition of 21a. Th F S 10. Mr Lazerowitz.

22 *Ethics*. The outstanding moral theories of classical and modern times, with applications to practical problems. Reading will include literature of the Epicureans and Stoics, Aristotle, Kant, Bentham, Mill, Nietzsche, G. E. Moore. Th F S 9. Miss Clarke.

24 *History of Philosophy from Thales to Kant*. Introduction to philosophy, with emphasis on its historical development. The course should be of use also to students majoring in other fields who wish to obtain an acquaintance with the history of ideas. M T W 12; Th F S 10, 11, 12. Miss Clarke, Mr Lazerowitz, Mrs Fritz, Mr Myers.

PHILOSOPHY

- [31b *Advanced Logic*. Postulate sets. The system of *Principia Mathematica*: general propositions; definite descriptions; classes and the theory of types. Prerequisite, 21a or b. Mrs Lazerowitz.]
- 32a *Metaphysics and Science*. Development of a new technique for the solution of philosophical problems. Its application to a selection of metaphysical theories which closely resemble scientific theories: theories of time, space, substance, causality and freedom, universals, a priori propositions. Prerequisite, six semester hours in philosophy. T 4-6 Th 5. Mr Lazerowitz.
- 32b *Epistemology*. General explanation of a new technique for the solution of philosophical problems. Its application to epistemological and closely related problems: our knowledge of the external world, other minds, the mind-body problem, rationalism and empiricism. Prerequisite, six semester hours in philosophy. Mr Lazerowitz.
- 33 *Aesthetics*. A discussion of general problems, with reference to sensuous structure, emotional expression, symbolism, artistic meaning, truth and value, judgments of appraisal. Th F S 10. Miss Walsh.
- 36a *Plato*. A systematic and historical study of the chief dialogues. Prerequisites, 11 or 24 and at least three more semester hours in philosophy. T 8-10 W 8. Mr Wind.
- [36b *The Platonic Tradition*. A study of Neoplatonism, beginning with Plotinus and Proclus, leading to Marsilio Ficino and Pico della Mirandola, and ending with the Cambridge Platonists. Prerequisite, 36a. M 4-6 T 4. Mr Wind.]
- 37b *Hegel and Hegelianism*. A historical and critical study of Hegel, the man, and his doctrine, his rivals, followers, and opponents. Open to a limited number of juniors and seniors. Prerequisite, 24. M 4-6 T 4. Mr Wind.
- 38a *Oriental Philosophy*. Philosophical bases of Hinduism, Buddhism, and the metaphysical systems into which they developed. Prerequisite, six semester hours in philosophy. W Th F 3. Miss Clarke.
- [310a *American Philosophy*. Philosophical ideas of Edwards, Emerson, Royce, James, Dewey, and others, with attention to the connection of these ideas with current religious, political, and moral views. Th F S 10.]
- 311 *Recent and Contemporary Philosophy*. James, Bergson, Whitehead, Santayana, Bradley, Russell, G. E. Moore. Prerequisites, 24 and at least three more semester hours in philosophy. W Th F 2. Mrs Lazerowitz (first semester), Miss Walsh (second semester).
- 40b Review Unit.

PHILOSOPHY

41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in philosophy. *Two or three hours.*

[45b *Kant. A Study of the Critique of Pure Reason* and readings from the *Critique of Practical Reason*, with consideration of their influence on later philosophy. For qualified students by permission of the instructor. Two class hours. Mr Wind.]

50, 50a, 50b Research and Thesis. *Three or six hours.*

51, 51a, 51b Advanced studies arranged individually.

[53 *A Systematic Study of Aesthetic Theory.* Miss Walsh.]

[55a *Topics in Logical Theory.* With special reference to foundations of mathematics. Mrs Lazerowitz.]

[56b *Contemporary Ethics.* Miss Clarke.]

Adviser of graduate study: Mrs Lazerowitz.

THE MAJOR

Advisers: Miss Clarke, seniors; Mr Myers, juniors.

Based on six semester hours in philosophy.

Essential Courses: twenty-one semester hours in philosophy, including 24 (unless used as the basis of the major) and 40b.

Optional Courses: related courses in other departments.

HONORS

Director: Miss Clarke.

Prerequisites: any year course in philosophy of Grade I or Grade II; in addition 21a or b and Psychology 11 or 12 are advised. For other prerequisites for specific programs the director should be consulted.

Program: three hours on the preparation of a paper and three on review; the remaining hours divided between work in philosophy and in some related department, with the major portion of the work in philosophy including normally at least two units.

Examinations: one on philosophical systems and history of philosophy; one on value theories and methodology; one on work done in related departments.

UNITS

Aesthetics. Six hours. First semester. Miss Walsh.

Seventeenth and Eighteenth Century British Philosophy. Three hours. Second semester. Miss Clarke.

[*Logic. Three hours. Second semester. Mrs Lazerowitz.*]
Ethics. Six hours. Second semester. Miss Clarke.

These units will ordinarily be offered in alternate years.

PHYSICAL EDUCATION

PROFESSOR:	DOROTHY SEARS AINSWORTH, PH.D., <i>Director</i>
ASSOCIATE PROFESSORS:	FLORENCE MARIE RYDER, M.S. HELEN LOUISE RUSSELL, PH.D., <i>Assistant Director</i>
ASSISTANT PROFESSORS:	**EVELYN F. JENNINGS, B.S. LILLIAN M. MANCINI, A.M. ETTIE LEN TOY CHIN, A.M. RITA MAY BENSON, M.S. IN H.P.E. ANNE LEE DELANO, A.M.
LECTURER:	RUTH EVANS, A.M., M.P.E. (hon.), SC.D. (hon.)
INSTRUCTORS:	MARTHA COLEMAN MYERS, M.S. IN PHY. ED. CARYL MIRIAM NEWHOF, M.S. IN PHY. ED. MARJORIE HARRIS, B.S. JEAN CAMPBELL, M.S. IN PHY. ED. DORIS JOAN HINSON, B.S. PHYLLIS M. OCKER, B.A.

Physical Education 1a and b and 2a and b are required of all students in the first two years, the type of work being adjusted to the needs and conditions of individual students. Continuous failure in these courses due to lack of interest or to unexcused absences may result in the student's being requested by the President to withdraw from college.

All students who are in physical education classes or use the gymnasium are required to buy uniform suits and shoes.

The Athletic Association, open to all members of the College, is under the direction of this Department.

A. Physical Education

Requirements

1a, 1b *Body Mechanics, Dance, and Sports.*¹ Three periods of one hour each. Required for freshmen.

Fall Term. One period, body mechanics; two periods, swimming for those who have not passed the test, for others a choice of the following:

Archery, canoeing, crew, golf, hockey, riding, soccer, swimming, tennis, volleyball.

¹ A fee is charged for golf, riding, and campcraft.

PHYSICAL EDUCATION

Individual gymnastics. Miss Ryder.

The dance, modern and folk. Mrs Myers.

Winter Term. One period, fundamental movement; two periods, a choice of: Badminton, basketball, bowling, fencing, riding, squash, swimming.

Individual gymnastics. Miss Ryder, Miss Jennings.

The dance, continuing the fall course and new sections. Mrs Myers.

Spring Term. One period, rhythmic work or body mechanics; two periods, beginning swimming for those who have not passed the test, for others a choice of:

Archery, campcraft, canoeing, crew, golf, lacrosse, riding, softball, swimming, tennis, volleyball.

Individual gymnastics. Miss Ryder.

The dance, continuing the fall and winter courses and new sections. Mrs Myers.

2a, 2b *Dance and Sports*. Three periods of one hour each. Required for sophomores.

Each term a choice of sports and dance as listed under the corresponding term for 1a and b.

A health consultation is required for juniors and seniors, and any student who is falling below a standard which for her is reasonable must take work under the direction of the Department as follows:

3a, 3b Required for these juniors.

4a, 4b Required for these seniors.

Elective Classes and Sports

Juniors and seniors may elect work in any class listed above or in the upperclass sports sections.

In addition there are weekend trips to the cabins under the auspices of the Outing Club, riding trips under the Riding Club, and open-hour swimming at the pool.

Courts and other equipment are available to all students when not being used by classes.

B. Course in the Training of Teachers of Physical Education

This course is open to students of Smith College and to graduates of other colleges of approved standing. Students entering it will be given the opportunity to specialize in one of four fields: corrective physical education, the dance, recreation (physical education in relation to community service and clubs), sports (in relation to schools and colleges).

The course has as its basic plan classes in science and education as well as physical education. Smith College students may take the scientific and educational courses as undergraduates and in so doing will be able to fulfill the requirements for the degree in one year after graduation.

Properly qualified students from Smith and other colleges will be accepted for work toward the degree of Master of Science in Physical Education (M.S. in Phy. Ed). Six semester hours of zoology, nine hours of education, and six hours in one of the following: bacteriology, chemistry, experimental psychology, mathematics, nutrition, physics, zoology should be offered as prerequisites. Students who have satisfactorily completed the courses equivalent to those leading to the diploma may become candidates for the degree in the first year; other students normally require two years.

It is also possible for students to take work leading to the degree of Master of Arts (A.M.) or of Master of Education (Ed.M.).

Students who wish to enter the course should present a written statement from a physician that they are in good condition and able to undertake a course in physical education. For further information write to Miss Ainsworth, Scott Gymnasium, for the special booklet describing the course.

33a, 33b *Corrective Physical Education*. The basic teaching material of preventive and corrective phases of physical education as applied to individual developmental needs. M T W 12. Miss Ryder.

42a, 42b *Methods and Materials of Physical Education*. Elementary course including the dance, recreation, and sports. Required in the first year of students entering from other colleges who have not fulfilled the requirement elsewhere. Open to undergraduates only by permission of the Director of Physical Education. Prerequisite for 42b, 42a. Two lectures, six hours of practice. Members of the Department.

43a, 43b *The Physiology and Anatomy of Movement*. An analytical study of human motor activity. Prerequisites, Zoology 12 and permission of the Director of Physical Education. Two lectures and four hours of laboratory. Lec. Th F 11; Lab. Th F 9-11. Miss Ryder.

50, 50a, 50b *Research and Thesis*. *Three or six hours*. Director, Miss Russell.

51a, 51b *Special Studies*. Members of the Department.

52a, 52b *Methods and Materials of Physical Education*. Advanced course offering opportunity for the student to specialize in corrective gymnastics, the dance, recreation, or sports. Theory, two hours; practice, six hours. Members of the Department.

53a, 53b *Gymnastics and Fundamental Movement*. Theory, one hour; practice, two hours. *One hour*. Miss Ainsworth, Miss Ryder, Miss Mancini.

PHYSICAL EDUCATION

54a or b *Elementary Measurement in Physical Education*. Miss Russell.

55a *History and Principles of Physical Education*. Miss Ainsworth.

55b *Organization and Administration of Physical Education*. Miss Ainsworth.

56a, 56b *Directed Practice in the Teaching of Physical Education*. One lecture; two practice periods. Miss Mancini.

57a, 57b *Advanced Measurement in Physical Education*. History and methods of testing. Use of statistics and study of special problems. Miss Russell.

Hygiene 53b *Health Education*. Required of all students for the diploma.

Hygiene 54a *Advanced Health Education*.

PHYSICS

PROFESSORS:	GLADYS AMELIA ANSLOW, PH.D., SC.D. (hon.) NORA MAY MOHLER, PH.D., SC.D. (hon.), <i>Chairman</i>
ASSOCIATE PROFESSOR:	†WILLIAM TAUSSIG SCOTT, PH.D.
ASSISTANT PROFESSOR:	IRVING L. KOFSKY, M.S.
LECTURER:	DOROTHY WRINCH, D.SC.
INSTRUCTOR:	FAY AJZENBERG, M.S.
ASSISTANT:	IRENE A. WHITE, DIPLOM-CHEMIKER

Among the courses which may be taken to fulfill the distribution requirement in Division III are Physical Science 193 or 194, Physics 11, 12, or 25b with either 15a or 24a.

Students who enter with a unit of physics may elect either course in Physical Science. Physics 12 or 15a.

Students planning to major in physics should offer three units in mathematics for entrance and if possible take mathematics through calculus before the junior year. Work in chemistry is also strongly advised.

11 *Fundamentals of Physics*. An introduction to the laws and properties of matter, sound, light, heat, and electricity. Lectures and discussion, three hours; laboratory, two hours. Lec. and Dis. M T W 10, 11; Lab. M Th F 2, F 9, 11. Miss Mohler, Miss Ajzenberg, Mrs White.

12 *Fundamentals of Physics for Premedical Students*. The lectures are the same as in 11; in the laboratory sections applications of the subject to biological and medical problems are stressed. Lecture and discussion, three hours; laboratory, two periods of two hours each. *Four hours each semester*. Lec. and Dis. M T W 10, 11; Lab. T W 2. Miss Mohler, Miss Ajzenberg, Mrs White.

- 15a *Mechanics, Electricity and Light*. An intermediate course for students who have presented a unit of physics for entrance or who have passed Physical Science 193; open by permission of the instructor to students who enter with a unit in physical science. Lecture and discussion, three hours; laboratory, two hours. Lec. Th F S 11, Lab. T 2. Mr Kofsky.
- 24a *Electricity*. Direct current, electrical circuits and instruments, with an introduction to alternating current devices and to electronics. Prerequisite, 11, 12, or 15a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Miss Mohler, Miss Ajzenberg.
- 25b *Wave-Motion, Sound, and Heat*. Lectures and problems on the basic principles of elasticity, wave-motion, sound, thermometry and heat. The laboratory emphasizes precision of measurements and a variety of laboratory techniques. Prerequisite, 11, 12, 15a, or 24a. Two lectures and one three-hour laboratory period. Lec. Th F 11; Lab. T 2. Miss Mohler, Miss Ajzenberg.
- [26b *Musical Acoustics*. An introduction to the study of sound, particularly as it applies to musical instruments and hearing. Lecture and demonstration. One hour. M T 10. Miss Anslow.]
- 31a, 31b *Electronics and Atomic Physics Laboratory*. A semester of experiments in electronics leading to some independent work; one hour of lecture. Prerequisites, 24a and Mathematics 12 or 13. This may be followed by a semester of experiments in modern physics and some related fields. Two three-hour laboratory periods. Th F 2. Mr Kofsky.
- 32a *Mechanics*. Statics and dynamics of particles and rigid bodies. Prerequisites, six hours of physics or, by permission of the instructor, 15a, and Mathematics 21 or 22a. Lectures and problems. Miss Anslow.
- 33a *Atomic Physics*. The structure of the atom and the nature of radiation. Prerequisites, 11, 12, or 15a and 25b; Mathematics 21 or 22a (may be taken at the same time). M T W 9. Miss Anslow.
- 33b *The Nucleus*. An introduction to radioactivity, elementary particles, cosmic rays, and nuclear energy. Prerequisite, 33a. M T W 9. Miss Anslow.
- [36a *Light*. Wave and particle nature, optics, interference, diffraction, polarization. Prerequisite, 11, 12, 15a, or 24a, and Mathematics 12 or 13. Lec. M T 10; Lab. T 2. Miss Anslow.]
- [36b *Experimental Spectroscopy*. Spectroscopic methods and instruments. Study of atomic and molecular spectra. Prerequisite, 36a; also open by permission of the instructor to students majoring in astronomy or chemistry. Lectures, two hours; laboratory, three hours. Lec. M T 10; Lab. T 2. Miss Anslow.]

PHYSICS

- 40b *The Relation of Classical and Modern Physics.* Discussion of the development of such general laws as the conservation of energy and the law of gravitation; the relation between Newtonian mechanics and relativity; the wave properties of particles and the particle properties of waves; present attitudes toward theories and models. Discussion and reports. For seniors only. One two-hour period. Miss Mohler with members of the Department.
- 41a, 41b *Special Studies.* By permission of the Department for senior majors who have had twelve semester hours above Grade I in physics. *Two or three hours.*
- 42 *Advanced Electricity and Magnetism.* Static and dynamic electricity, direct and alternating currents, magnetism and electromagnetic fields, and electronic circuits. Lectures and problems. Prerequisites, 24a and Mathematics 21 or 22a. Miss Ajzenberg.
- 46b *Thermodynamics.* A discussion of the laws of thermodynamics, entropy, and the behavior of ideal and real gases. Prerequisites, six hours of physics and Mathematics 21 or 22a. Miss Anslow.
- 50, 50a, 50b *Research and Thesis.* *Three or six hours.*
- 51a, 51b *Special topics in such fields as sound, light, electricity and magnetism, thermodynamics, and kinetic theory.* *Two hours or more.*
- 52a, 52b *Selected problems assigned for investigation, experimental work, and discussion.* *Three hours or more.*
- 53a *Principles of Mathematical Physics.*
- 54a or b *Introduction to Quantum Mechanics.*
- 55a or b *Seminar in Nuclear Physics.* *Two hours or more.*
- 58a or b *Theoretical Spectroscopy.* The origin of atomic and molecular spectra and their applications to structure problems. Miss Anslow.
- 59a or b *Structure of Large Molecules.* Physics, chemistry, and geometry of biologically active molecules. *One hour or more.* Miss Wrinch.
- Adviser of graduate study: Miss Anslow.

THE MAJOR

Adviser: Miss Mohler.

Based on 11, 12, 15a and 25b, or six hours of Grade II, or, by permission of the Department, on Physical Science 193.

Essential Courses: 40b, at least one semester of 31a, 31b; Mathematics 21 or 22a.

PHYSICS

Optional Courses: other courses in physics and mathematics above Grade I and courses in astronomy, chemistry, and geology.

In addition to the essential courses, each student is expected to receive instruction in shop techniques in a two-hour period for one semester.

HONORS

Director: Mr Kofsky.

Prerequisites: one year of college physics, Mathematics 12 or 13, and six hours of Grade II in physics or Mathematics 21 or 22a. One or two other courses in mathematics, physics, or chemistry, and a reading knowledge of French and German are advised.

Program:

Essential Courses: 33a and b and the honors paper. Mathematics 21 or 22a if not already taken.

Optional Courses: other physics courses above Grade II; advanced courses in other sciences chosen in consultation with the director; a review unit.

Examinations: written examinations covering theoretical and experimental phases of the subject in classical physics, modern physics, and in the field of specialization.

PSYCHOLOGY

PROFESSORS:

WILLIAM SENTMAN TAYLOR, PH.D.

HAROLD EDWARD ISRAEL, PH.D., *Chairman*

ASSOCIATE PROFESSOR:

ELSA MARGAREETA SIIPOLA, PH.D.

ASSISTANT PROFESSOR:

LOIS JEAN CARL, PH.D.

INSTRUCTORS:

MIRIAM WALDRON BRAINARD, A.M.

VIVIAN DECKER TAYLOR, A.M.

Unless otherwise indicated, 11a or 12 is prerequisite for every further course.

A student considering a major in the Department is advised to take 11a and b.

Students who plan to enter social work should consult their major advisers regarding desirable courses.

11a *Introduction to General Psychology.* A survey with emphasis on fundamental principles of human behavior and personality. Not open to students taking 12. Two lectures and one two-hour demonstration. Lec. M T 12; Dem. W 11-1, 2-4. Miss Siipola (*Director*), Mr Israel.

11b *Introduction to Experimental Psychology.* Application of the experimental method to problems in psychology. Basic experiments in perception, motivation, learning, thinking. Lecture and demonstration, two hours, and one two-hour laboratory period. Open to students who have passed 11a or 12; by permission of the instructor to students taking 12. Lec. and Dem. M T 12; Lab. W 11-1, 2-4. Mr Israel (*Director*), Miss Siipola, Miss Taylor.

PSYCHOLOGY

- 12 *General Psychology*. Outline of the field and methods of psychology; basic facts and theories, including such topics as motivation, learning, perception, thinking, and personality. Not open to students taking 11a. M T W 9, 12; Th F S 9. Mr Taylor, Miss Carl, Miss Taylor.
- 24a *Child Psychology*. Study of the theory and principles of the development of the child from birth to puberty. Survey of related research. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 24b *Psychology of Adolescence*. Study of the theory and principles of the development of the adolescent from puberty to maturity. Survey of related research. Lec. Th F 11; Rec. F 12, S 11. Miss Carl.
- 25a *Introduction to Social Psychology*. Psychological concepts basic to an understanding of man in his social environment, including such topics as socialization, social attitudes, and group behavior. Th F S 10.
- [25b *The Social Patterning of Behavior*. Prerequisite, 25a or permission of the instructor. Th F S 10.]
- 31a *Methods in Psychology*. An examination of selected problems in methodology, with particular reference to experimental design and statistical analysis. Miss Carl.
- 31b *Experimental Psychology*. A survey of important lines of experimental investigation and major findings. Laboratory work includes illustrative applications of basic techniques and use of standard laboratory equipment. Two two-hour periods. Prerequisite, 11b. Mr Israel.
- 36a *Dynamic and Abnormal Psychology*. General psychology of conscious and subconscious motivation, everyday problems and mechanisms of adjustment, psychoneuroses, psychoses, and mental hygiene. Two optional visits to nearby hospitals. For students who have passed 11a or 12, and are majoring in psychology, education, sociology, or premedical science, or by permission of the instructor. M T W 3. Mr Taylor.
- 36b *Dynamic and Abnormal Psychology*. A continuation of 36a, which is prerequisite. M T W 3. Mr Taylor.
- 37b *Psychology of Personality*. Study of the psychological organization of the adult personality, with emphasis upon individuality rather than generalized human nature. Basic concepts and theories: experimental and clinical techniques of investigation; development of adult personality-structure. Open also to sophomores by permission of the instructor. W Th F 2. Miss Siipola.
- 38a *Individual Differences and their Measurement*. Nature of individual differences; theory and principles of their measurement in such areas as mental ability, aptitudes, and other traits. M T W 9.

- 38b *Mental Tests in Clinical Practice*. Supervised practice in administering, scoring, and interpreting standard clinical tests. A minimum of fifteen hours of practice outside the laboratory. For students who have passed 38a and have passed or are taking 36a or 37b. M 9 T or W 9-11.
- 39b *Industrial Psychology*. Psychology of employers, employees, and consumers in regard to production, distribution, and consumption. An optional visit to a near-by factory. Prerequisites, 11a or 12 and permission of the instructor. M T W 12. Mr Taylor.
- 40a *Theories and Schools of Psychology*. Study of the principal theoretical systems with emphasis on modern schools of behaviorism, gestalt, and psychoanalysis. M T W 10. Mr Israel.
- 40b Synoptic Course. Th 7:30-9:30. Miss Siipola with members of the Department.
- 41a, 41b *Special Studies*. Problems not specifically dealt with by other courses in psychology, such as research problems in experimental psychology, advanced psychology of language, special problems in child psychology, and mental tests. By permission of the Department for senior majors who have had twelve semester hours above Grade 1 in psychology. *Two or three hours*.
- 42b *Advanced Theoretical Psychology*. Critical study of current theories and examination of theoretical issues involved in selected problems. Prerequisite, 40a and permission of the instructor. Mr Israel.
- [43b *Comparative Psychology* (seminar). Evolution of behavior, with emphasis on discrimination, motivation, and modifiability. Reports on special problems such as infrahuman social behavior, the experimental neurosis, inheritance of behavior traits.]
- 44b *Child Psychology* (seminar). Selected problems, reports, and discussion. Prerequisite, 24a. Miss Carl.
- 45b *Social Psychology* (seminar). Methods, theories, and problems. Reports and discussion. Prerequisite, 25a or permission of the instructor.
- 47a *Psychology of Personality* (seminar). Intensive study of projective techniques of investigating personality. Supervised practice with standard techniques. Prerequisite, 37b. Th 11-1. Miss Siipola.
- 50, 50a, 50b *Research and Thesis*. *Three or six hours*.
- 51a, 51b *Advanced Studies*. Similar to 41a and b. *One hour or more*.
- 52a, 52b *Seminar in Current Psychological Problems*. Also for senior honors students by permission. *One hour or more*.

PSYCHOLOGY

56 *Abnormal Psychology*. Students will be required to attend the lectures in 36a and b. Mr Taylor.

Speech 58a *Experimental Phonetics*.

Adviser of graduate study: Mr Israel.

THE MAJOR

Advisers: members of the Department.

Based on 11b or 12. If the major is based on 12, 11b must be taken in sophomore year, or in junior year in addition to the major.

Essential Courses: twenty-one semester hours in psychology, including 40a and 40b.

Optional Courses: other courses in psychology and courses in related subjects.

HONORS

Director: Miss Siipola.

Prerequisite: 11b. Courses in zoology, physics, sociology, and German are useful as background.

Program: nine hours from 31a, 31b, 40a, 42b, twelve in other psychology courses, and six devoted to a long paper and review; nine additional hours in psychology or related subjects.

Examinations: one on general experimental and theoretical psychology; one on other fields of psychology; one a more specialized type.

RELIGION & BIBLICAL LITERATURE

PROFESSOR: S. RALPH HARLOW, PH.D.

ASSOCIATE PROFESSORS: MARGARET BRACKENBURY CROOK, B.A., DIPLOMA IN ANTHROPOLOGY (OXON.)

VIRGINIA CORWIN, B.D., PH.D., *Chairman*

ASSISTANT PROFESSOR: STEPHEN TROWBRIDGE CRARY, B.A., B.D.

The courses in religion which may be taken to fulfill the distribution requirement in Group A are 11, 39; in Group C, 14, 31a and b, 35a and b.

11 *Introduction to the Bible*. The literature of the Bible as expressing the religion of the Hebrew prophets, lawgivers, historians, and poets, and the early Christians. Th F S 9. Miss Crook, Miss Corwin.

14 *Introduction to the Study of Religion*. Teachings of contemporary Judaism, Roman Catholicism, and Protestantism. Problems presented by scientific thought, nationalism, and industrialized society. Survey of certain important religious ideas. For freshmen and sophomores only. Lec. Th 10. Rec.

RELIGION & BIBLICAL LITERATURE

(for freshmen) Th F 3, F S 10; (for sophomores) Th F 2, F S 10. Miss Corwin, Mr Crary.

25b *Greek New Testament*. Prerequisite, Greek 11, 11b, or the equivalent. Miss Crook.

[26a *The Literary History of the Bible*. The earliest scriptural collections through the history of the great translations. Prerequisite, one year of Bible studies in college. M T 4 and one hour to be arranged. Miss Crook.]

27a *Social Teachings in the Bible*. Special reference to the Major Prophets and Jesus. Recommended for students who intend to take 37. M T W 11. Mr Harlow.

27b *Life and Teachings of Paul*. Prerequisite, 11 or 27a. M T W 11. Mr Harlow.

28b *Contemporary Judaism*. Its religious and social background, and its contribution to Christianity and democracy. M T W 3. Mr Harlow.

29 *Hebrew*. Elementary course with readings from narratives of the Old Testament. M T W 10. Miss Crook.

31a *History of Christian Thought through the Middle Ages*. The early church fathers, Augustine, and medieval scholasticism. M T W 10.

31b *History of Christian Thought since the Middle Ages*. Classical Protestant thought. Influence of science, philosophy, and historical study: criticism and reconstruction. Developments in Catholic thought. M T W 10.

32b *Religion in America*. Religious thought, institutions, and movements as they have developed in American life. M T W 9. Mr Crary.

34 *Contemporary Religious Thought*. The impact of modern science and philosophy on thought about God and the meaning of human life. Issues in recent Catholic, Protestant, and Jewish theology. M T W 11. Mr Crary.

35a *Great Religions*. Religions of India, China, and Japan: their literature, teachings about the world and man, modern resources and problems. Th F S 11. Miss Corwin.

35b *Great Religions*. Judaism, Christianity, and Islam: leaders, religious and ethical thought, great literature, and modern resources and problems. Th F S 11. Miss Corwin.

36a *Problems of the Individual in the Bible*. His rewards and sufferings, his search for mediation between God and man, based on such books as Jeremiah, Job, the Fourth Gospel, Ephesians. M T W 9. Miss Crook.

RELIGION & BIBLICAL LITERATURE

- 37 *American Social Problems*. Modern international and race relationships. An examination of these problems and their significance for the world tomorrow. The contribution of religion to their solution. T 4 and T W 9 or 12. Mr Harlow.
- 39 *The Prophets and Jesus*. The prophets and other closely related writers of the Old Testament. Jesus, his teachings; ways in which Paul and other New Testament writers interpret him. Th F S 10. Miss Crook.
- 40b *Religion, Its Nature and Functions*. Readings and discussions.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in religion. *Two or three hours*.
- 50, 50a, 50b Research and Thesis. *Three or six hours*.
- 51a, 51b Advanced Studies. *One hour or more*.
- Adviser of graduate study: Miss Crook.

THE MAJOR

Advisers: Miss Crook, Miss Corwin.

Based on 11 or 14.

Essential Courses: twenty-one semester hours in religion, including 40b, six hours in Biblical studies (three for those who have taken 11), and six hours in religious thought.

Optional Courses: other courses in religion and in related departments.

HONORS

Director: Miss Crook.

Prerequisite: 11 or 14.

Program: in junior year six semester hours in courses or units in Biblical studies and six in religious thought; in senior year one unit for the preparation of the paper and one for review. The greater portion of the work will be in units and courses in the Department, with work in related fields approved by the director.

Units will be conducted by means of regular conferences and special reading, and will usually be planned in conjunction with existing courses.

Examinations: one in a selected field of concentration; one in the general field of the major; one oral.

UNITS

Studies in the Old Testament. Miss Crook.

Studies in the New Testament. Miss Crook.

RELIGION & BIBLICAL LITERATURE

History of Christian Thought.

Judaism. Mr Harlow.

The Function of Religion in the Development of Society. Mr Harlow.

History of Religion. Miss Corwin.

RUSSIAN LANGUAGE & LITERATURE

PROFESSOR: HELEN MUCHNIC, PH.D., *Chairman*

ASSISTANT PROFESSOR: **CATHERINE A. PASTUHOVA, PH.D.

VISITING LECTURER: NICOLAI S. VOROBIOV, PH.D.

The courses in Russian which may be taken to fulfill the distribution requirement in Group A are 23, 26, 35a and b.

- 11 *Elementary Course.* Five class hours. *Three hours each semester.* M T W Th 10 and one hour to be arranged. Mrs Pastuhova and members of the Department.
- 21 *Selections from Russian Prose and Poetry.* Prerequisite, 11 or the equivalent. *Three hours or more each semester.* M T W 3. Mrs Pastuhova. (L)
- 23 *Literature of the Nineteenth Century.* Development of Russian realism. Study of some typical works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy, with discussion of important trends in social and aesthetic ideas which they represent. Conducted in Russian. Prerequisite, 21 or the equivalent. M T W 10. Mr Vorobiov. (L)
- 31 *Advanced Course.* Reading from classical and Soviet literature, with emphasis on roots and structure of the language, based on the history of Russian civilization. Prerequisite, 21 or permission of the instructor. Mrs Pastuhova and members of the Department. (L)

LITERATURE IN TRANSLATION

- 26 *History of Russian Literature.* From the beginnings to 1917. M T W 11. Miss Muchnic.
- [35a *Pushkin and Gogol.* M T W 11. Miss Muchnic.]
- [35b *Tolstoy and Dostoevsky.* M T W 11. Miss Muchnic.]
- 40b Review Unit.
- 41, 41a, 41b Special Studies. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Russian. *Two or three hours.*
- 42b *Russian Literature Since the Revolution.* Miss Muchnic.

RUSSIAN LANGUAGE & LITERATURE

THE MAJORS

Advisers: members of the Department.

A. Russian Major

Based on 21.

Essential Courses: 23, 26, 35a, 35b, 40b, History 317a.

Optional Courses: 31, 42b, Economics 319b, other courses in related fields.

B. Major in Russian Civilization

Based on 11 and History 11.

Essential Courses: 21, 26, 35b, 40b, Economics 319b, History 317a.

Optional Courses: 42b, further work in Russian language, courses in related fields.

HONORS

Director: Miss Muchnic.

Prerequisites: 21, 26.

Program: 23, 35a, 35b, 42b, History 317a; at least twelve hours in units and seminars in the Department or in other departments within the field of correlation; a long paper in first semester of senior year to count for three hours.

Examinations: (1) on the whole field of Russian literature; (2) on Russian history; (3) on the field of correlation; (4) on language with translation from Russian into English, from English into Russian, and a brief composition in Russian.

For students who choose honors in Russian Civilization an appropriate course in government or economics will be substituted for Russian 23 and the examination in language will be omitted.

SOCIOLOGY

PROFESSORS:

GLADYS EUGENIA BRYSON, PH.D., *Chairman*

†CHARLES HUNT PAGE, PH.D.

NEAL BREAULE DE NOOD, PH.D.

ASSOCIATE PROFESSOR: †MARGARET ALEXANDER MARSH, A.M.

LECTURER: FLORENCE ROBERTS DAY, M.SC. (SOC. ADMIN.), Director of the Smith College School for Social Work

INSTRUCTOR: ELY CHINYOY, B.A.

The courses in sociology which may be taken to fulfill the distribution requirement in Group E are Sociology 26, 34a and b, Social Science 192.

Students planning to major or to do honors work in sociology are advised to select from the following: Psychology 11, 12, 25a; Economics 21; Government 11, 21; History 11, 13, 323a; Philosophy 11, 22, 24; History and Social Science 293.

Students who plan to enter the field of social work should consult their major advisers regarding desirable courses.

Unless otherwise indicated the prerequisite for Grade III courses is 26 or Social Science 192.

26 *Introduction to the Study of Society*. Open to freshmen by permission. Lec. M 10. Rec. T W 10, 11, 12; Th F 10, 11.

27b *Principles of Sociology*. For students who have passed Social Science 192 and for certain transfer students. M T W 12.

[31a *Urban Sociology*. Theoretical and practical problems of urban society. Optional field trip. Offered in alternate years. M T W 2.]

32a *Social Disorganization*. Theory of social disorganization; delinquency, crime, and related problems. Psychology 11 or 12 may be offered as prerequisite. Th F S 9. Mr De Nood.

32b *Social Disorganization*. Mental deficiency and pathology; economic insufficiency and related problems. Optional field trip. Psychology 11 or 12 may be offered as prerequisite. Th F S 9. Mr De Nood.

33a *Social Anthropology*. Life and thought of nonliterate peoples; cultural adaptation and change. 34a or b may be offered as prerequisite. M T W 12. Miss Bryson.

[34a *Expansion of Western Culture*. Social consequences of contact between Western and non-Western cultures. Problems applied to particular culture areas. No prerequisite. Th F S 10. Mrs Marsh.]

[34b *Expansion of Western Culture*. Further consideration of the problems of culture contact and with reference to additional culture areas. No prerequisite. Th F S 10. Mrs Marsh.]

35a *The Modern Family*. Study of the modern family; changing laws and attitudes; shifting and permanent values. For seniors without prerequisite; for juniors with prerequisite as stated above. M T W 11. Miss Bryson.

38b *The Sociology of Social Planning*. An inquiry into the present status of various kinds of social planning. Th F S 11. Mr De Nood.

39a *Social Work in the American Community*. Development and theory of modern social services; the basic processes: casework, group work, and community organization. Prerequisite, the introductory course in economics, government, psychology, sociology, or Social Science 192. Alternates with Education 31a. M T W 10. Miss Day.

310b *Social Aspects of Science*. The cultural values of science; social organization of scientists; the social process of discovery and invention; social problems of science. Prerequisite, a course in sociology, government, economics, history, or psychology. M T W 3.

SOCIOLOGY

- 311b *Class and Caste in American Society*. Major theories and their application to the American scene; examination of current research. M T W 3.
- 312a *European Sociological Theories*. Critical analysis and application of theories of Durkheim, Simmel, Pareto, Weber, Mannheim. Th F S 11. Mr De Nood.
- 313a *The Sociology of Occupations*. Theoretical and practical problems of various types of work and workers (including executives, entrepreneurs, professionals, laborers, white-collar workers, women workers, the aged) in modern society. Offered in alternate years. M T W 2.
- 40b *Problems of Scope and Method*. Theory and research in American sociology. M T W 11. Miss Bryson (*Director*).
- 41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in sociology. *Two or three hours*.
- 43b *Seminar in Techniques of Social Research*. Surveys, questionnaires, interviews, case studies, communications research. By permission of the instructor. Recommended background, first semester of Economics 38, Psychology 38a, or Education 39a. Miss Bryson.
- 44a, 44b *Seminar in Social Institutions*. Structure, functions, dynamics, and integration of contemporary institutions. By permission of the instructor. Mr De Nood.
- 45a *Seminar in Changing Social Organization*. Theories of social change; structural changes in modern societies; problems of democratic processes. By permission of the instructor.

HISTORY AND SOCIAL SCIENCE 495b. *Interdepartmental Seminar in Economics, Government, History, and Sociology*. See "Interdepartmental Courses," p. 49.

50, 50a, 50b *Research and Thesis*. *Three or six hours*.

51, 51a, 51b *Special Advanced Studies* in such subjects as advanced theory, social organization and disorganization, culture contacts, problems of scientific methodology. *One hour or more*.

Adviser of graduate study: Miss Bryson.

THE MAJOR

Advisers: Miss Bryson, Mr Page, Mr De Nood, Mr Barber.
Based on 26, or on Social Science 192 and Sociology 27b.

SOCIOLOGY

Essential Courses: twenty-one semester hours above Grade II in sociology including 312a and 40b.

Optional Courses: other courses in sociology; appropriate courses in allied departments.

Majors may spend the junior year abroad if they meet the college requirements as stated in the description of the Junior Years Abroad.

HONORS

Director: Mr Barber.

Prerequisite: 26 or Social Science 192 and Sociology 27b. Candidates are urged to take introductory courses in two or more of the following departments: economics, government, history, philosophy, psychology.

Program: units, seminars, and courses, including six hours in advanced sociological theory, preferably in junior year; three or six hours for a long paper in first semester of senior year; three hours for directed reading and review in the second semester; and twelve additional hours in sociology.

Examinations: one in theory and two in fields of concentration which may also include sociological theory.

UNITS

The units will count for three or six hours each.

American Sociological Theory. Miss Bryson.

European Sociological Theory. Mr De Nood.

[*Expansion of Western Culture.* Mrs Marsh.]

Social Stratification.

Social Anthropology. Miss Bryson.

Social Structure and Personality.

Other units may be offered upon request.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

PROFESSORS:	RUTH LEE KENNEDY, PH.D. ELIZABETH ANDROS FOSTER, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	MIGUEL ZAPATA Y TORRES, PH.D. KATHERINE REDING WHITMORE, A.M., D.LIT. (Madrid) †HELEN JEANNETTE PEIRCE, A.M.
ASSISTANT PROFESSORS:	ESTHER SYLVIA DILLON, D.M.L. JOAQUINA NAVARRO, A.M. DENAH LEVY, A.M.
INSTRUCTOR:	‡PHILLIS BURROWS TURNBULL, A.M.

The course in Spanish which may be taken to fulfill the distribution requirement in Group A is 25.

The following preparation is recommended for students who intend to take the Spanish or Latin American major: courses in classics, either in the original or in translation; courses in other European literatures and history; a reading knowledge of another foreign language.

[21 *Elementary Portuguese*. Prerequisite, two years of Spanish or permission of the instructor. Th F S 9. Miss Peirce.]

[22a, 22b *Reading of Modern Portuguese Prose*. Prerequisite, 21. One hour. Miss Peirce.]

SPANISH

A. Language

- 11 *Elementary Course*. M T W 3, Th F S 10. Members of the Department.
- 11b *Elementary Course* (covering the work of two years). *Six hours each semester*. M T W Th F S 9, 11. Members of the Department. (L)
- 12 *Intermediate Course*. Grammar review and reading of modern prose. Prerequisite, two units in Spanish or 11. M T W 9, 10; Th F S 9, 11. Members of the Department. (L)
- 13 *Reading, Grammar, Composition, and Practice in Oral Spanish*. Prerequisite, three units in Spanish. M T W 9. Members of the Department. (L)
- 21a *Prose Composition*. Prerequisite, 11b, 12, 13, or 16. W Th F 2. Miss Foster.
- 31b *Advanced Prose Composition*. Prerequisite, 21a. Th F S 10. Mr Zapata.
- 32a *Teachers' Course*. Review of Spanish grammar. Discussion of methods. Practice teaching. Prerequisite, 21a or 25.
- 33b *Advanced Translation into English*. The material to be translated will be taken from current publications, letters, technical articles. Miss Foster.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

B. Conversation

14a, 14b *Conversation*. Two class hours. *One hour*. M T 2.

C. Literature

The prerequisite for courses of Grade III in this division is 25.

16 *A Study of Some Aspects of Spanish Life and Culture*. Reading in Spanish, discussion in English. Prerequisite, three units in Spanish or 12 or 11b. M T W 10; Th F S 10, 11. Members of the Department. (L)

25 *Reading of Modern Novels, Plays, and Poetry*. Prerequisite, four units in Spanish, 11b, 12, 13, or 16. M T W 11; Th F S 9, 12. Members of the Department. (L)

34a *Masterpieces of Spanish Literature to the Beginning of the Sixteenth Century*. Th F S 10.

35b *Literature of the Spanish Renaissance*. Garcilaso de la Vega, Fray Luis de Leon, San Juan de la Cruz. M T W 11.

36a *Cervantes: Don Quijote*. M T W 12.

36b *Drama of the Seventeenth Century*. Lope de Vega, Tirso de Molina, Calderón. M T W 12.

37a *Nineteenth Century: The Romantic Period*. M T W 11.

37b *Nineteenth Century: The Modern Novel*. M T W 11.

38a *Contemporary Spanish Literature*. M T W 10.

310a, 310b *South American Literature*. A study of representative works and authors from the colonial period to the present. Recommended background, History 13 or 325a. M T W 2.

40b *Correlation of work in the major field*.

41, 41a, 41b *Special Studies*. By permission of the Department for senior majors who have had twelve semester hours above Grade I in Spanish. *Two or three hours*.

D. Graduate Courses

Students who wish to do graduate work in the Department are required to have a knowledge of Latin.

50, 50a, 50b *Research and Thesis*. *Three or six hours*.

51, 51a, 51b *Advanced studies in Spanish literature*, arranged in consultation with the adviser of graduate study, on subjects such as poetry of the golden age, Cervantes, Tirso and the Spain of his epoch, nineteenth and twentieth century prose.

SPANISH & PORTUGUESE LANGUAGES & LITERATURES

52 *History of the Spanish Language*. Mr Zapata.

53a or b *Spanish Bibliography and Literary Methods*. Miss Kennedy.

Adviser of graduate study: Miss Foster.

THE MAJORS

Advisers: Miss Peirce for 1953, Miss Foster for 1954.

A. The Spanish Major

Based on 11b, 12, or 16.

Essential Courses: from Division A, 21a and 31b; from Division C, 40b and nine semester hours above Grade II.

Optional Courses: other Spanish courses above Grade I or courses in related departments.

B. The Latin American Major

Based on 11b, 12, or 16.

Essential Courses: 310a, 310b, 40b; History 325a.

Optional Courses: 31b, any Grade III course from Division C; Portuguese 21, 22a and b; History 420b; Geology 32a; Sociology 34a; any course of Grade III or IV treating some phase of Latin American civilization.

HONORS

Director: Mrs Dillon.

Prerequisites: 11b or the equivalent; 25 and, if possible, 21a and 31b.

Program:

Minimum requirement: one unit in language in first semester of junior and senior years; a paper and review in senior year.

Optional courses or units to be selected in consultation with the director.

Examinations:

1. In Spanish: to test ability to use the language.
2. In English: (a) on the whole field; (b) on a special field; (c) on a great writer *not* of the special field.

SPEECH

PROFESSOR:

VERA A. SICKELS, A.M., *Chairman*

ASSOCIATE PROFESSOR:

LIZBETH R. LAUGHTON, B.A.

ASSISTANT PROFESSOR:

CHARLOTTE H. FITCH, A.M.

VISITING LECTURER:

CLARENCE V. HUDGINS, PH.D.

11a *General Course*. The basic principles of effective oral communication. Practical training in improving voice quality and articulation. Individual conferences. Voice recordings. M T W 10, 12; Th F S 10, 11. Members of the Department.

- 11b *Repetition of 11a.* M T W 10, Th F S 11.
- 12b *Reading and Speaking.* Application of basic principles to various forms and purposes of oral communication: oral interpretation of prose and poetry, public speaking, drama, and radio. Prerequisite, 11a or b. M T W 12, Th F S 10, 11. Miss Sickels, Miss Fitch.
- 14 *Fundamental Course: Drama.* For students whose main interest is in the field of drama. M T W 10, Th F S 11. Miss Laughton.
- 22a, 22b *Voice Training.* A laboratory course adapted to individual needs. Two class hours. *One hour.* T W 3, Th F 12. Special sections will be arranged for radio and theatre. Members of the Department.
- 23b *Public Speaking.* Organization and delivery of various types of speeches for formal and informal occasions. Prerequisite, 11a, 11b, or 14.
- 24 *Presentation of Dramatic Material.* Principles of stage action, pantomime, and style and manner of delivery, through acting and directing scenes from plays of various types and periods. Prerequisite, 12b or 14. M T W 12. Miss Laughton.
- 25a *Play Reading.* Individual and group practice in the interpretation of lines and scenes from the main periods of dramatic literature. Prerequisite, 12b or 14. M T W 11. Miss Sickels.
- 28 *Phonetics for Foreign Students.* Formation of English speech sounds, their distribution in connected speech, stress, intonation, and rhythm. Two class hours. *One hour each semester.* Miss Laughton.
- 31 *Radio.* Preparation and production of radio programs: plays, interviews, talks, and news reporting. Four class hours, M Th 4-6. Miss Fitch.
- 33a. *Discussion.* Practice in the various forms of modern group discussion. Attention given to individual voice and speech problems.
- 35b *Play Reading.* Analysis of character, structure, rhythm, and mood of plays from modern drama, including Ibsen, Shaw, and O'Neill. Prerequisite, 14, 24, or 25a. M T W 11. Miss Laughton.
- 36a, 36b *Oral Interpretation of Literature.* Study of various types of literature for oral presentation, with emphasis on poetry, narrative prose, and poetic drama. Th F 11 and a practice hour to be arranged. Miss Sickels.
- 38b *Oral Interpretation of Children's Literature.* Selection and evaluation of material suitable for story telling, poetry reading, choral speaking, and dramatization. Th F 12 and a practice hour to be arranged. Miss Sickels.

SPEECH

- 44a, 44b *Acting*. Laboratory presentation of directed scenes from contemporary drama for practice in the analysis and creation of characters. Four class hours. Miss Sickels.
- 48a *Speech for the Classroom Teacher*. The fundamental processes of oral communication as applied to the speech of the teacher and to the more common types of speech problems found in the classroom. Two class hours and one period for practice and observation. Th F 10. Miss Sickels.
- 48b *Teachers' Course*. General review, with special reference to the pedagogy of voice and speech. Observation and directed practice teaching. By permission of the instructor for seniors who have had twelve semester hours above Grade I in speech or theatre. Miss Sickels.
- 58a *Experimental Phonetics*. The methods and subject matter of experimental phonetics and its application in speech teaching and speech correction, with special reference to the speech of the deaf. Prerequisites, a fundamental course in speech and Physics 11 or Psychology 11, or permission of the instructor. Mr Hudgins.

THEATRE

PROFESSOR:	HALLIE FLANAGAN DAVIS, A.M., L.H.D., <i>Director</i>
ASSOCIATE PROFESSORS:	DENTON M. SNYDER, M.A., <i>Technical Director</i> EDITH BURNETT, B.S. (Dance) FRANK DAY TUTTLE, M.F.A.
ASSISTANT PROFESSOR:	GEORGE BRENDAN DOWELL, A.M.
INSTRUCTORS:	CORNELIA CERF, A.B. (Dance) THEODORE KAZANOFF, A.M.
TEACHING FELLOW:	EUGENE JONES, B.F.A.

The course in theatre which may be taken to fulfill the distribution requirement in Group B is 11.

- 11 *Introduction to Theatre*. The place of the theatre in the life of man and in the art and society of his time. Analysis of basic elements of theatre ancient and modern: play, direction, acting, design, audience. Lectures, discussions, and demonstrations. Lec. M T 11; Rec. W 11, 12; Th 12, 2. Mr Tuttle.
- 12 *Fundamentals of Movement for Acting and Dance*. One hour each semester. Lec. W 10 or 2; one supervised practice hour to be arranged. Miss Burnett.

- 22 *Survey of Dance*. Technique, history, eurythmics, and composition. By permission of the instructor. Lec. T 9; four supervised practice hours from M 9, 2-4, W 9, Th 3-5, F 11-1. Miss Burnett and Miss Cerf.
- 31 *Play Production*. Study, laboratory, and rehearsal work necessary for presentation of several productions a year, illustrating coordination of writing, acting, design, and stagecraft, accompanied by classwork in these fields. For juniors taking the major; for others by permission of the Department. Six hours each semester. M T W 2-4. Mrs Davis, Mr Snyder, Mr Dowell, Mr Kazanoff.
- 32a, 32b *Choreography*. Advanced course designed to emphasize individual and group creative expression through the medium of modern dance. Technique, original composition, and production. Prerequisite for 32a, 22; for 32b, 32a. Six studio hours. M T W 11 and three to be arranged. Miss Burnett and Miss Cerf.
- 35a, 35b *Theory and Practice in Special Forms of Dramatic Composition*. Includes the living newspaper and the chronicle history. Mrs Davis.
- 40b Synoptic course designed to help each student unify the work in her major field. Mrs Davis.
- 41, 41a, 41b *Special Studies*. Acting, directing, lighting, design, research. By permission of the Department for senior majors who have had twelve semester hours above Grade I in theatre. Two or three hours. W 2-4 or by special arrangement. Members of the Department.
- 42a, 42b *Advanced Radio*. Study and practice in the preparation and production of radio scripts. Three hours. Mr Tuttle.
- 43 *Advanced Play Production*. A course in which students will continue their studies in theatre, and will work in an apprentice relationship in staging the Department's season of plays. For theatre majors. Prerequisite, 31. T 2-4. Mrs Davis and members of the Department.
- 50 Research and Thesis. Three or six hours. Members of the Department.
- 51, 51a, 51b Advanced studies arranged in consultation with the Department. One hour or more.
- 52 *Rehearsal and Production*. Theory and practice on Department productions; advanced work in direction, acting, lighting, and stage design. Three or six hours each semester. Members of the Department.

THEATRE

INTERDEPARTMENTAL MAJOR

Advisers: Mrs Davis and Mr Snyder.

Based on 11.

Essential Courses: 31 and 40b, and 43; Speech 14; Theatre 12. It is advisable for students to have met the speech and dance requirements by the end of sophomore year.

In addition at least six hours from the following: Theatre 35a, 35b, 42a, 42b; English 312a, 345a, 345b; Speech 24, 25a, 35b, 44a, 44b, 48a, 48b; or courses in other departments approved by the Department of Theatre. Laboratory work in speech and movement may be required.

HONORS

Director: Mrs Davis or a designated member of the Department.

Prerequisites: see the requirements for entrance to the major.

Program: the requirements will consist of (1) junior year, 31; senior, 40b and 43.

Students may combine this basic work with courses totaling at least fifteen hours in art, English, languages, music, speech, theatre, or any other field approved by the director. (2) An independent piece of work counting for six hours which may take the form of a thesis in the literature, art, or history of the theatre; an original play; creative work in design, acting, direction, or stagecraft.

Examinations: two written and one oral along the following lines: historical, theoretical and literary, technical.

ZOOLOGY

PROFESSORS:	MYRA MELISSA SAMPSON, PH.D. ERNEST CHARLES DRIVER, PH.D. LOIS EVELYN TE WINKEL, PH.D., <i>Chairman</i>
ASSOCIATE PROFESSORS:	ESTHER CARPENTER, PH.D. **ELIZABETH SANDERS HOBBS, D.SC.
ASSISTANT PROFESSOR:	B. ELIZABETH HORNER, PH.D.
VISITING LECTURERS:	ALICE MIDDLETON BORING, PH.D. EUNICE CHACE GREENE, A.M.
INSTRUCTOR:	GEORGE WARREN DE VILLAFRANCA, B.S.
TEACHING FELLOW:	JANE WALKER, A.B.
ASSISTANT:	MARY EDITH BARRACLOUGH, A.B.

Among the courses which may be taken to fulfill the distribution requirement in Division III are Zoology 11, 12, Biological Science 195.

Students planning to major in zoology are advised to take 11 in freshman year and to have a knowledge of general botany or chemistry and a reading knowledge

of German. Chemistry, physics, and German are required by many graduate schools. See also preparation required for honors work.

- 11 *General Zoology*. Introduction to the study of animals, including the fundamental principles of biology and a comprehensive survey of the animal kingdom. Laboratory work consists of dissection, experiments, and practice in the use of the microscope. Two lectures and two two-hour laboratory periods. Lec. Th F 2. Lab. M T 9, 11, 2, Th F 9, 11. Miss Carpenter, Mrs Hobbs, Miss Horner, Miss Boring.
- 12 *The Anatomy and Physiology of Man and Other Mammals*. A study of the structure and functions of systems for support, motion, nutrition, reproduction, control and integration. Two lectures and two two-hour laboratory periods. Lec. Th F 11. Lab. M T 9, 11, 2, Th F 9, 2. Miss Sampson, Miss Te Winkel, Mrs Greene, Mr de Villafranca.
- 22 *Comparative Anatomy of Vertebrates*. Comparison and probable evolution of structures in a series of chordates from amphioxus to mammal. Prerequisite, 11, 12, or Biological Science 195; open to geology majors by permission of the instructor. Two lectures and two two-hour laboratory periods. Lec. M T 11; Lab. M T 2, Th F 9. Miss Horner.
- [31a *Nutrition*. Human nutrition and its relation to the composition, supply, selection, preparation, and cost of food. By permission of the instructor. Lectures and demonstrations. Th F 9-11. Miss Sampson.]
- 32 *General Physiology*. Experimental study of animal functions, their interrelations and their regulation. For students who have passed 12 or have passed or are taking 22, and Chemistry 11 or the equivalent. Two lectures and two two-hour laboratory periods. Lec. W 9, 10; Lab. M T 9, 2. Miss Sampson.
- 33 *General Embryology*. Development of animals, with particular reference to vertebrates. For students who have passed 12 or have passed or are taking 22. Two lectures and four hours of laboratory. Lec. Th F 2; Lab. Th F 3-5. Miss Te Winkel.
- [34a *Entomology*. Introductory study of insects, with field trips. Prerequisite, 11. Th F 11-1 and two hours of independent work.]
- 36a *Genetics*. Principles of heredity, with economic and eugenic applications. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195 and, for sophomores, permission of the instructor. Open to students majoring in sociology or education by permission of the instructor. Two lectures, one two-hour laboratory period, and two hours of independent work. Lec. Th F 10; Lab. W 2. Mr Driver.

ZOOLOGY

- 37 *Histology*. A study of animal tissues including their origin, differentiation, functions, changes with environment and with age, and their arrangement in organs. The laboratory work will include methods of preparation of material for microscopic examination. Prerequisite, 11 or 12. Lec. or Dem. Th F 9; Lab. Th F 11-1. Miss Carpenter.
- 38 *Animal Taxonomy and Ecology*. Field and laboratory work on animal identification and habits. Lectures on early American naturalists, methods of nature study, and wild-life conservation. Prerequisite, a course of Grade I in zoology or botany or Biological Science 195. Two lectures and four hours of laboratory or field work. Lec. M T 2; Lab. M T 3-5. Mr Driver.
- [311b *Protozoology*. Free-living and parasitic protozoa and their relationships to other animals including man. Prerequisite, 11, 12, or Biological Science 195. Th F 11-1 and two hours of independent work. Mrs Hobbs.]
- 40b Review Unit. Mr Driver (*Director*).
- 41, 41a, 41b Special Studies. Problems not dealt with in other courses in the Department. By permission of the Department for senior majors who have had twelve semester hours above Grade I in zoology. *Two or three hours*.
- [42b *Advanced Physiology*. Properties and functions of products synthesized by living organisms, including enzymes, hormones, vitamins, and other specific substances. Prerequisites, 32 and Chemistry 31. One lecture and five hours of laboratory. Lec. F 2; Lab. Th 2-5 F 3-5. Miss Sampson.]
- 43b *Development of Zoological Concepts*. Study of man's continuous effort to analyze and reduce to system the knowledge of living organisms and to interpret the phenomenon of life, with special attention to the development of the concept of species and theories of evolution. Open, by permission of the instructor, to students not majoring in zoology. Lec. W 2 Th F 10. Mr Driver.

Research Courses

In these courses the work is individual and involves, in addition to the laboratory work upon which it is based, extensive reading and conferences with the instructor at stated intervals. A reading knowledge of French and German is desirable. *Two hours or more each semester*.

50, 50a, 50b Research and Thesis. *Three or six hours*.

51, 51a, 51b Advanced Studies. *One hour or more*.

52a, 52b *Embryology*. Prerequisite, 33. Miss Te Winkel.

ZOOLOGY

53, 53a, 53b *Anatomy* (prerequisite, 22) or *Ecology* (prerequisite, 38). Mr Driver, Miss Horner.

54 *Recent Advances in Zoology* (seminar). Reading and individual reports. One hour each semester. Miss Carpenter.

[56, 56a, 56b *Entomology*. Prerequisite, 34a.]

57, 57a, 57b *Physiology*. Prerequisite, 32. Miss Sampson.

58a, 58b *Histology and Cytology* (prerequisite, 37); 58 *Tissue Culture* (prerequisites, 37 and Bacteriology 22). Miss Carpenter.

59 *Genetics*. Prerequisite, 36. Mr Driver.

NOTE.—See also Botany S53, 54a and b, 55.

510, 510a, 510b *Protozoology*. Prerequisite, 311b. Mrs Hobbs.

Adviser of graduate study: Miss Sampson.

THE MAJOR

Advisers: Miss Sampson, Mr Driver, Miss Te Winkel, Miss Carpenter.

Based on 11 or 12. If based on 12, 11 must be taken later.

Essential Courses: 22, 40b, and twelve semester hours in zoology above Grade II.

Optional Courses: other courses in zoology; courses in botany, chemistry, geology, physics, or psychology; Economics 38; Bacteriology 22, 34; Physical Education 43b.

HONORS

Director: Miss Carpenter.

Prerequisites: 11 and 22; Chemistry 11 or its equivalent. Normally these courses should be taken before junior year.

Program:

Requirements: 32, 33, 43b, and three additional hours in zoology; three hours on a problem or paper; three hours of directed reading and review.

Optional courses approved by the director.

Examinations: two will cover the general field, the third may be of a specialized character.

INTERDEPARTMENTAL MAJORS

In addition to the departmental majors there are interdepartmental majors in which courses offered by different departments are focused on a certain field of study. Except in American Studies the work is so arranged that it covers four years instead of two. Students are expected to fulfill the general college requirements for the first two years. Interdepartmental majors are offered in the following: American Studies; General Literature; Sciences, including Bacteriology, Physiological Chemistry, and Premedical Science; Theatre.

AMERICAN STUDIES

This major aims to bring into a single focus certain courses which explore the history of thought and expression in the United States.

Based on History 11 or 28 or History and Social Science 293 and one of the following: English 21, General Literature 291, an equivalent course approved by the adviser.

Essential Courses:

Twelve hours in junior year chosen from History and Social Science 293, History 28, 321a and b; English 329; Art 313a and b.

Six hours from History 319a, 320a, 321a and b, 322a and b, 413a, 415b, 56b, 57a; English 329, 416a and b, 417a, 512a and b; Art 313a and b, 45a.

(These eighteen hours must include at least six in history, six in literature, and three in art.)

Three hours from Education 36b, Government 38a or 46b, Philosophy 310a, Religion 32b.

Three hours in 40b: *Integrating Course in American Studies*.

Optional Courses: Six hours in courses selected from related fields of study with the approval of the adviser (Mr Davies, 1951-52; Mr Aaron, 1952-53).

It is urged that courses taken outside the major should not include any listed above. The requirement of at least six hours during the junior or senior year in a division other than the one in which the student is majoring must be satisfied by elections outside the field of this major.

Students eligible for honors work in American Studies should arrange to take honors in English or history, with emphasis on the American field.

GENERAL LITERATURE

Directors: Mr Arvin (*Chairman*), Mr Guilloton, Miss Muchnic.

Adviser to the major: Miss Muchnic.

This major allows the student to concentrate in the literature of two languages: English and one foreign language, or two foreign languages. Students who plan

INTERDEPARTMENTAL MAJORS

to elect this major and have entered with less than three units of Latin or Greek or a combination of the two will be required to take Latin 12a, Greek 11, 12a, or six hours of the classics in translation. Whenever possible, they should begin to plan the major in the spring of freshman year, and they will not be allowed to enter it later than the fall of junior year.

Based on two of the following: General Literature 291, Greek 12a and 12b or Latin 14a and 14b, English 21, French 26, German 26, Italian 26, Spanish 25, Russian 21. (When General Literature 291 is used as a basis, English 21 must be taken in addition to the major in the junior year.)

Essential Courses: twelve semester hours in literature courses in each of the two departments of concentration (eighteen of these twenty-four hours must be above Grade II); six semester hours of a third literature either in the original or in translation; General Literature 40b.

The student is expected to attain (1) a knowledge of the development of two modern literatures in each of two comparable periods, or (if one of her choices is Greek or Latin) a knowledge of the influence of a major figure or genre on a modern literature and (2) a special understanding of at least one major figure in each of the principal literature chosen.

Optional Courses: supplementary literature courses in other periods and relevant courses in other fields.

SCIENCE

The interdepartmental majors in science are designed as preparation for (1) professional schools such as medicine, public health, or nursing; (2) graduate study in those fields which involve a thorough knowledge of more than one science, *e.g.* biochemistry, biophysics, or bacteriology; (3) laboratory work. Because it is advantageous to have basic training in chemistry, physics, zoology, and mathematics, it is urged that the student see the advisers of these majors as early as possible in freshman year.

Students planning to enter schools of nursing may consult Miss Sampson for information concerning entrance requirements for these schools.

BACTERIOLOGY

Essential Courses: Chemistry 11, 21, 31; Bacteriology 22, 34, 40b; Zoology 12 or 22.

Optional Courses: courses in chemistry, bacteriology, physics, zoology, or mathematics approved by the adviser, Miss Smith.

HONORS

Director: Miss Smith.

Prerequisites, normally taken before junior year: Bacteriology 22; Chemistry 21; Zoology 12 or 22.

INTERDEPARTMENTAL MAJORS

Program:

Requirements: Bacteriology, 34, 43a; Chemistry 31; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, zoology, bacteriology, physics, or mathematics approved by the director.

Examinations: one in chemistry, one in bacteriology, one selected according to the student's program.

PHYSIOLOGICAL CHEMISTRY

Essential Courses: Bacteriology 22; Chemistry 11, 21, 31, 42a; Zoology 12 or 22, 32; Chemistry 42b or Zoology 42b.

(Chemistry 42a and Chemistry or Zoology 42b will serve as the integrating course in this major.)

Optional Courses: other courses in chemistry, bacteriology, zoology, physics, mathematics, or Botany 35 with the approval of the adviser, Miss Burt.

HONORS

Director: Miss Burt.

Prerequisites, normally taken before junior year: Chemistry 21; Mathematics 12 or 13; Zoology 12.

Program:

Requirements: Bacteriology 22; Chemistry 31, 42a; Physics 11 or 12; Zoology 32, Chemistry or Zoology 42b; three hours throughout senior year on a problem, paper, reading, and review.

Optional Courses: courses in chemistry, physics, bacteriology, zoology, mathematics, or other related fields by permission of the director.

Examinations: one in chemistry, one in physiology, one selected according to the student's program.

PREMEDICAL SCIENCE

The courses listed represent the minimum requirement for entrance to most medical schools, but as these differ from one another it is advisable for students to decide in the spring of freshman year which school they plan to enter and include any additional courses necessary. Thirty hours in the major are required in the three upper years of which twenty-one must be above Grade II.

40b Directed reading in the history of medicine from the standpoint of concurrent developments in chemistry, physics, and zoology.

Essential Courses: Chemistry 11, 21, 31; Physics 11 or 12; Zoology 11 or Biological Science 195, Zoology 22; Premedical Science 40b; a college course or its equivalent in German, French, or Spanish.

INTERDEPARTMENTAL MAJORS

Optional Courses: other courses in chemistry, physics, mathematics, or zoology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the adviser, Mrs Hobbs (first semester), Miss Te Winkel (second semester).

Students may also prepare for medical schools by majoring in any department, if they include in their schedules the courses suggested above as the minimum requirement. They may consult the adviser of this major about their choice of courses.

HONORS

Director: Mrs Hobbs.

Prerequisites, normally taken before junior year: Chemistry 21; Physics 11 or 12; Zoology 11 or Biological Science 195; a college course or its equivalent in German, French, or Spanish.

Program:

Requirements: Chemistry 31; Mathematics 12 or 13; Zoology 22; three hours throughout senior year on individual work, directed reading, and review.

Optional Courses: courses in chemistry, physics, zoology, mathematics, or bacteriology. Sociology 32a, 32b, or Psychology 36a and b may be substituted with the permission of the director.

Examinations: one in chemistry, one in zoology, one selected according to the student's program.

THEATRE

The Interdepartmental Major may be found in the offering of the Theatre Department.

Graduate Study

Smith College offers to graduate women programs leading to the degrees of Master of Arts, Master of Education, Master of Science in Physical Education, and Doctor of Philosophy. For foreign students programs for a Certificate of Graduate Studies are available. Ordinarily over one hundred women students are registered for advanced instruction, which is available in practically all departments of the College, and in the interdepartmental fields of bacteriology and genetics.

To be admitted as a candidate for a degree an applicant must have received her baccalaureate degree from a college or university of recognized standing, have fulfilled the prerequisite requirements for the field in which the degree is to be received, and show promise of ability satisfactorily to pursue advanced study and research. If the general and major requirements for the Bachelor's degree at the undergraduate institution are considered by the Committee on Graduate Study to be less than those required at Smith College, the student must make up the deficiencies in her undergraduate training before she is accepted as a candidate for an advanced degree.

Graduate courses are open to men as well as to women students. Graduates of any college of approved standing may receive instruction without reference to the attainment of an advanced degree.

The requirements for the degrees of Master of Arts and Master of Education may be fulfilled in one year by well-prepared full-time students; for the Master of Science in Physical Education, in two years (in one year by specially qualified students). The degree of Doctor of Philosophy is offered in a limited number of departments, and requires at least three years of advanced studies including one year at another institution.

FELLOWSHIPS & SCHOLARSHIPS

The College offers several fellowships and scholarships which are open to graduates of Smith College and to women graduates of other colleges of good standing. Special scholarships are available for study in education and in physical education. Other fellowships are offered to students from foreign countries.

The science departments, and the departments of music, theatre, history and the social sciences offer teaching fellowships for part-time graduate study combined with departmental assistance.

INFORMATION

Full information concerning the requirements for the various advanced degrees, admission, residence fees and fellowships is given in the *Bulletin of Graduate Studies*. This bulletin, an application blank for admission, and other information may be obtained from the Secretary to the Committee on Graduate Study.

General Information

THE COLLEGE COMMUNITY

RESIDENCE

Community life and interests are an integral part of the education offered by Smith College. A large number of student organizations—of a civic, cultural, athletic, religious, political, social, pre-professional, or service nature—have the lively support of interested members of the student body to whom they give valuable experience. For some of these activities, such as the largely autonomous student government, various campus publications, and the college radio station, the students themselves are almost wholly responsible; for others, such as the formal musical activities, faculty direction is provided.

Life on the campus is also enriched by an extensive program of lectures and concerts which bring to the College distinguished speakers and musicians from this country and abroad. Additional lectures, concerts, recitals, plays, and debates by both the faculty and the students make for a full and varied calendar.

In support of these and other aspects of community life, the College emphasizes the importance of residence. Freshmen, sophomores, and juniors (in their first semester) are allowed only a limited number of nights away from the campus in each semester. After the middle of the junior year, the student herself assumes the responsibility for upholding the principle of residence. Within this framework, it has been possible for the faculty to grant to all students except freshmen and those whose standing is below diploma grade the responsibility for their own class attendance on all except the opening and closing days of a session. To those students who live beyond the western boundary of Minnesota, Iowa, Missouri, Arkansas, and Louisiana, or a similar distance from Northampton, special permissions are given to extend the winter or spring recess.

Further details concerning the college community are given in *Smith College: a Handbook of Information*. Faculty and student legislation relating to residence and attendance is printed in full in *Smith College: Rules and Regulations*.

THE HOUSES

The basic unit of the campus community is the college house which normally accommodates fifty to seventy students representing all four classes. Assignments to houses are made in the order of dates of application for admission to college, except when students are admitted from a waiting list. A student may move from one house to another once during her college course, the order of assignment after the freshman year being determined by lot.

GENERAL INFORMATION

Except for a few smaller houses which are grouped together to make a single unit, each college house has its own living rooms, dining room, and kitchen, and is in the charge of a Head of House who devotes full time to the administration of the house and the welfare of its members. In most of the houses there is also a resident member of the faculty. Social regulations governing life in the houses are administered by the Student Government Association. Because of high operating costs, every student is asked to contribute up to four hours a week of light service to the house in addition to taking care of her own room.

RELIGIOUS LIFE

The College provides ample opportunity for the development and expression of religious faith of all creeds. Worship services are held in the evening from Monday through Friday in the Little Chapel, and College Vespers on Sunday bring outstanding clergymen to the campus. The Smith College Religious Association, of which every student is a member, includes a Christian Association for Protestants, a Newman Club for Roman Catholics, and a Hillel Club for Jewish students, and offers cooperative programs of education and community service. These campus activities are under the direction of a full-time chaplain. The Northampton churches welcome students at their services. Thus it is possible for students of each faith to strengthen their own convictions and to gain an understanding and appreciation of other traditions.

HEALTH

The Health Service is directed by the College Physician assisted by a medical staff of four resident physicians. The Doctors' Office and the Elizabeth Mason Infirmary provide medical care and facilities for treating normal illness. For unusual or serious illness, the services of specialists in Northampton and Springfield are available. The Health Service also emphasizes preventive medicine by exercising supervision over the health of the dormitory staffs and working closely with the College Dietitian.

The College has arranged to cooperate with a reputable insurance company in offering a voluntary insurance plan which protects the student over a twelve-month period, whether in residence at college or not. Students are strongly urged to take out this insurance which gives unusual protection in addition to that which the College offers without charge.

In the interests of individual and community health, every student is expected to comply with the health regulations which are printed in *Rules and Regulations*.

VOCATIONAL COUNSELING AND PLACEMENT

The Director and the Associate Director of the Vocational Office assist students of all four classes in selecting their future occupations and in relating their courses

GENERAL INFORMATION

to these occupations. They provide information concerning specialized and professional training, arrange lectures and discussions on various vocations, and schedule interviews with employers who visit the campus. The Vocational Office also serves as a placement bureau for alumnae and seniors who are seeking permanent positions, and for underclassmen who wish placements for the summer.

Letters of recommendation for seniors and alumnae are filed with the Vocational Office and will be sent upon request to prospective employers and scholarship committees.

BUILDINGS AND GROUNDS

COLLEGE HALL, dedicated in 1875 at President Seelye's inauguration, is the main administrative building of the college.

JOHN M. GREENE HALL, given by John D. Rockefeller and other donors, is a large auditorium seating 2,066 with additional seating space on the stage. Besides a fine four-manual organ which was presented by the Class of 1900 as a memorial to Cornelia Gould Murphy, there are two accessory two-manual organs.

SEELYE HALL, given by friends of President Seelye, contains classrooms for over fifteen hundred students, the laboratories of the Department of Geology and Geography, and department offices.

HATFIELD HALL, formerly Hatfield House, became an academic building in 1926, providing needed seminars and classrooms.

THE WILLIAM ALLAN NEILSON LIBRARY, the gift of Andrew Carnegie, alumnae, and students, contains a large reference room, general reading and study rooms, department seminar rooms, a Rare Book Room, and a room for the college archives. The Browsing Room, furnished as a private library, offers opportunity for leisure-hour reading. A wing was built in 1937 to provide more stacks, and to make possible additional seminar rooms, carrells for students, and offices for staff and faculty. The Little Chapel occupies the outer end of this wing.

The Smith College Library contains 374,640 volumes, this number including those books and pamphlets housed for greater convenience in the libraries of the art, music, and science buildings. The open-shelf system permits free access to all books.

THE HILLYER GALLERY, named for Winthrop Hillyer whose gift and bequest made this first art gallery possible, is equipped with studios and exhibition rooms, a library of art in memory of Drayton Hillyer, and a collection of approximately thirty-three thousand photographs and forty-two thousand slides. Graham Hall, a lecture hall seating 265, was added through the generosity of Christine Graham Long of the Class of 1910.

When the TRYON GALLERY was presented to the College by Mr and Mrs Dwight W. Tryon to house the Smith College Museum of Art, most of the paintings, prints, and other works of art were transferred to it from the Hillyer Gallery. It also contains galleries for loan exhibitions, which are arranged under the auspices of the Museum to supplement the permanent collections.

GENERAL INFORMATION

Named in honor of Mrs Russell Sage, SAGE HALL is the music building, containing classrooms, offices, practice rooms, a library, and a collection of about fifteen thousand records. It also has an auditorium seating 743 and equipped with a Hammond organ and apparatus for motion pictures.

THE STUDENTS' BUILDING, designed in 1903 to be the center of the social life of the students, is now the home of the Smith College Theatre. Classrooms and offices of the Departments of Speech and of Theatre, and the headquarters of a few student organizations are also located in this building.

PIERCE HALL, until 1924 the music building, was then named in honor of Professor Arthur Henry Pierce and is devoted mainly to the Department of Psychology.

LILLY HALL OF SCIENCE contains the lecture rooms, laboratories, and library of the Department of Physics. It was the gift of Alfred Theodore Lilly.

THE OBSERVATORY was given by President Seelye and Mr A. Lyman Williston in honor of Henrietta Chapin Seelye and Sarah Tappan Williston. The instruments include equatorial telescopes, a Ross camera, and other apparatus for teaching purposes.

STODDARD HALL, the chemistry building, named in honor of Professor John Tappan Stoddard, was built in 1898 and enlarged by an addition in 1918. It contains a lecture room, library, laboratories, classrooms, offices, and modern research equipment.

BURTON HALL, a building of modern construction provided with the best equipment for the study of the biological sciences, was named for President Burton and was opened for use in September, 1914.

THE LYMAN PLANT HOUSE, the gift of Edward Hutchinson Robbins Lyman in memory of his mother Anne Jean Lyman, comprises nine greenhouses illustrating the vegetation of different climates, together with physiological and horticultural laboratories. Adjoining is the BOTANIC GARDEN designed for horticultural study, with sections to illustrate plant classification and habits. Arranged about the college grounds are smaller gardens and numerous varieties of native and imported trees and shrubs.

THE ALUMNAE GYMNASIUM, given by the alumnae and their friends in 1891, contains a large floor for basketball, badminton, and tennis backboard, as well as two bowling alleys and four squash courts.

THE SCOTT GYMNASIUM was named in honor of Col. Walter Scott. It contains a large floor used for volleyball, basketball, and fencing, a room for dance, two smaller gymnasiums for group gymnastics, a graduate student classroom and library, a swimming pool 75 feet by 23 feet, an undergraduate lounge, and department offices.

GILL HALL is used by the Department of Education and Child Study for the Smith College Day School. In addition to the classrooms there is an assembly hall seating 170. Adjoining is a large playground.

THE ELISABETH MORROW MORGAN NURSERY SCHOOL, acquired through the be-

GENERAL INFORMATION

quest of Mrs Morgan of the Class of 1925, occupies a site adjoining the Smith College Day School.

The clinical offices of the Health Service are located in GATEWAY HOUSE.

THE ELIZABETH MASON INFIRMARY was opened in 1919. Its name commemorates Elizabeth Mason Howland, a graduate of the Class of 1904 and a daughter of Frank H. Mason whose gift completed the fund raised by the Alumnae Association. The Florence Gilman Pavilion, added while Smith was host to the Naval Officers' Training School, was enlarged and completed in 1950-51. The result is an attractive, well-equipped, fireproof Infirmary with a normal capacity of sixty patients which could be increased in emergencies to nearly twice that number.

THE ALUMNAE HOUSE, presented to the College by the Alumnae Association in 1938, contains offices for the Association staff, rooms for the use of the alumnae and the college, including a conference room seating 300.

DAVIS STUDENT CENTER, a newly converted recreation building for student use, contains a food shop, lounge, ballroom, and committee rooms for student organizations. It was named by the students in honor of President Davis.

THE RECREATION FIELDS, over thirty acres in extent, including the Allen Field, the gift of Frank Gates Allen, and the New Athletic Field, afford opportunities for such sports as hockey, soccer, baseball, lacrosse, tennis, archery, volleyball, practice golf. A short distance away are the Riding Stables. The Field House was built on the new Athletic Field in the summer of 1939 with funds given by the classes of 1938 and 1939, the undergraduates, the Athletic Association, and the Trustees. Besides storage space for athletic equipment and skates and skis, it contains a lounge, a kitchenette, a small meeting room, and dressing rooms. The Boathouse on Paradise Pond has accommodation for canoes, rowboats, and rowing machines. In the Crew House are eight rowing shells and a large recreation room.

THE COLLEGE HOUSES

The thirty-five dormitory units provide living accommodations for approximately twenty-one hundred students.

The Old Campus: Chapin, Dewey (together with Clark, a small house adjacent to it), Haven (together with Wesley), the Hopkins group (three contingent houses), Hubbard, Lawrence (cooperative), Morris, Park and Park Annex, Tenney (cooperative for upperclassmen), Tyler, Wallace, Washburn (the Spanish House).

The Campus Northeast of Elm Street: Albright (cooperative), Baldwin, Capen and Capen Annex, Dawes (the French House, for upperclassmen), German (primarily for upperclassmen), Gillett, the Henshaw group (four contingent houses), Northrop, Parsons and Parsons Annex, Sessions, Talbot.

The Quadrangle Houses: Comstock, Cushing, Ellen Emerson, Franklin King, Gardiner, Jordan, Laura Scales, Martha Wilson, Morrow, Wilder.

The Graduate Houses: Fort Hill, Graduate (30 Belmont).

EXPENSES

TUITION AND RESIDENCE FEE	\$1,800.00
One half payable in advance of the beginning of each semester.	

PRELIMINARY PAYMENTS

<i>Registration for application for admission</i>	\$10.00
Not refunded or credited.	
<i>Deposit payable on or before June 5 preceding entrance</i> . . .	\$50.00
Not refunded in case of withdrawal before entrance. Refunded after graduation. Also refunded to members of the three upper classes in case of withdrawal if notice in writing is filed with the Registrar prior to July 1 for the first semester, or prior to December 1 for the second semester.	

OTHER FEES AND CHARGES

<i>Infirmary charge per day</i>	\$6.00
Each student may have Infirmary care for six days each year without charge, but no more than two free days may be used for any one illness. The usual charges will be made for special nursing care and for services of physicians or specialists from outside the college.	

Fees for courses in practical music

Vocal or instrumental, for the college year:

One hour lesson a week	\$150.00
One half-hour lesson and two class hours	100.00
One additional half-hour lesson taken for extra credit . .	75.00
Courses in ensemble when given individually	50.00
Use of practice room and a college instrument	15.00
Use of practice room only, one hour daily	7.50
Use of practice organs in John M. Greene Hall, one hour daily	35.00

Fees for classes in riding

	<i>Freshmen</i>	<i>Sophomores</i>
Fall term	\$36.50	\$54.75
Winter term	40.00	40.00
Spring term	32.50	48.75
Fall and spring terms if the entire fee is paid in the fall	59.00	93.50

<i>Materials for courses in technical art</i>	at cost
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GRADUATION FEE	\$15.00
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ESTIMATED ADDITIONAL EXPENSES

Books each year, approximately	\$75.00
Subscriptions and dues, student activities	25.00
Gymnasium outfit for physical education	22.85
Recreation and incidentals	from \$100 to \$150

SCHOLARSHIPS & FINANCIAL AID

SCHOLARSHIPS

For students of marked ability who are unable to meet their full expenses, the College offers tuition scholarships ranging from \$250 to \$900, a limited number of residence scholarships, and a number of work scholarships for upperclass students only. These scholarships are made possible through endowed funds given to the College for scholarship purposes, as well as by an annual appropriation from general income and annual scholarship gifts from Alumnae Clubs and other organizations.

All scholarships are awarded on the basis of high academic standing, personal qualifications, and financial need. They are given for one year only but may be renewed. Applications from entering students should be sent to the Director of Scholarships and Student Aid by March 1.

Tuition scholarships are granted at the discretion of the Trustees to undergraduates who have been residents of Northampton or of Hatfield for five years before the date of their admission to college, provided they are able to satisfy the full requirements of admission; this grant is continued through their college course provided they maintain diploma grade, conform to the regulations of the College, and continue to be residents of Northampton or of Hatfield.

The College awards fifteen scholarships in music each year.

Two tuition scholarships for use at seaside laboratories are granted by the College to students who show marked proficiency in the Departments of Zoology and Botany.

Endowment funds given to the College for scholarship aid are listed on pages 149-153.

FIRST GROUP SCHOLARSHIPS

The following scholarships are awarded to students of highest academic standing:

The Neilson Scholarships. Not more than fifteen scholarships, created by the Board of Trustees in honor of President William Allan Neilson on the completion of fifteen years of his administration, are awarded annually to students in the first group of scholars in the three upper classes.

The Dwight W. Morrow Scholarships. Ten scholarships are awarded annually to seniors in the first group of scholars.

The William A. Neilson Scholarship. This provides full tuition for a student in the first group.

The Sophia Smith Scholarships. These scholarships are awarded without stipend to members of the three upper classes whose standing entitles them to a place among the first group of scholars.

SCHOLARSHIPS

RESIDENCE SCHOLARSHIPS

Residence scholarships are awarded in three cooperative houses. Entering students desiring rooms in one of these houses should make special application to the Director of Scholarships and Student Aid not later than February 1 of the year when admission is desired. Upperclass students apply for rooms in person at a time specified in the *Bulletin*.

Lawrence House and Albright House offer opportunity to one hundred and twenty-five students to reduce their living expenses. Board and room may be had in these houses for \$650 for the college year. Each student is expected to give approximately an hour a day to the work of the house in addition to the care of her own room.

Tenney House, originally established as the gift of Mrs Mary A. Tenney, is open to members of the three upper classes. In this house the students cooperate in the purchase of food and in the duties of housekeeping. The cost of a room in Tenney House is \$200 for the year; current prices determine the cost of board.

In memory of Mrs Tenney ten scholarships have been established known as the Tenney Residence Scholarships. These consist of \$100 each to be applied toward residence in any college house. They are awarded to students of approved character and scholarship in the three upper classes upon the recommendation of a committee consisting of Miss Mensel and Miss Lincoln.

SELF HELP

The College undertakes general supervision of the remunerative work done by undergraduates. Students wishing any kind of employment during the college year should register with the Director of Scholarships and Student Aid. Only a limited amount of work is available, most of which is given to students of the three upper classes.

A few upperclass students are given the opportunity to earn their full board by doing twenty-one hours of work a week in the houses.

LOANS

The Smith Students' Aid Society, Inc., organized in 1897, offers to the extent of its means loans of varying amounts to students of approved scholarship and character from the three upper classes. Loans granted shall become due as follows: ten per cent on May 1 of the first year following that in which the borrower's class graduated from Smith College; thirty per cent one year later; and sixty per cent two years later. Interest at six per cent shall begin to run after the said maturity dates. Applications for loans may be made to Miss Eleanor T. Lincoln, 54 Prospect Street, Northampton. Contributions to the work of this Society may be sent to its treasurer, Miss Emma B. Proctor, College Hall, Northampton.

FELLOWSHIPS

The announcement of fellowships awarded for graduate work including those open to students from foreign countries is in the *Bulletin of Graduate Studies*.

ENDOWED SCHOLARSHIPS & PRIZES

SCHOLARSHIP FUNDS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Charles Clinton Abbey	\$ 55,540.74
J. J. Albright	6,700.00
Susan Fuller Albright	8,250.00
Elizabeth Arden	10,000.00
Alma Hoegh Ayres	1,327.50
Franklin Baldwin	1,200.00
Bartol	72,713.80
Suzan R. Benedict	10,020.47
Mary Nichols Billings	5,000.00
Mildred Louer Bird	16,000.00
Carolyn Peck Boardman 1891 Memorial	5,165.00
The President Burton Memorial	33,512.03
Jessica White Cabot	10,014.60
Jean Cahoon Memorial	10,000.00
Gibson Lamb Caldwell Memorial	9,400.00
John A. Callahan	7,440.81
James R. Campbell	1,009.97
Canadian	19,027.93
Bessie T. Capen	5,531.25
Helen Clarissa Gross Chandler 1905	10,000.00
Elizabeth Marguerite Dixon Clark 1906 Memorial	17,000.00
The Class of 1883 Scholarship Fund in Honor of Elizabeth Lawrence Clarke	8,801.00
Class of 1887	10,000.00
Class of 1897	32,978.82
Class of 1898	6,122.50
Class of 1901	1,855.00
Class of 1905	10,150.00
Class of 1949	10,266.94
Class of 1950	7,433.48
Class of 1951	8,010.27
Sara Hunt Clough Memorial	1,000.00
Mildred E. Ford Cobb Memorial	17,300.00
Katharine Baylis Cochran	8,000.00
E. C. Converse	50,000.00
Augusta E. Corbin	9,500.00
Charlotte Graves Cross	5,390.00
Lieutenant Robert Lamont Darrah Memorial	1,000.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Virginia Winslow Davis 1909	10,000.00
Paul Dudley Dean Memorial	4,080.00
Vivian Bubbs Decker	1,000.00
Mary D. Dey	5,000.00
Anna N. Dice and John William Dice Memorial	2,000.00
Elizabeth Lind Dice 1905	1,000.00
Elizabeth Lind Dice and John Dice Memorial	3,000.00
Eleanor S. Duckett and Mary Ellen Chase	10,000.00
Mary Carter Duncan	10,000.00
Elizabeth Edwards Memorial	5,000.00
Constance Elaine Memorial	5,000.00
Elizabeth S. Fisk Memorial	2,000.00
Ida E. Fisk Memorial	2,000.00
Marietta Miles Fisk Memorial	2,000.00
Elizabeth Fobes	1,000.00
Clara and Joseph F. Ford	3,800.00
Mary P. Fowler	15,000.00
Emily Frink	2,000.00
Fannie Furman Memorial	10,000.00
Eleanor N. Gaffield	10,000.00
Gamble	2,000.00
Gannett Memorial	2,000.00
Carrie L. W. and Marion Gary	12,437.23
Gertrude Gladwin 1900 Memorial	10,476.00
Howard Rogers Clapp and Howard Rogers Gleason Memorial	25,165.00
Jessie S. R. Goldthwait	10,000.00
Elizabeth Firestone Graham 1938	21,231.25
Mary Louise Brown Graham	10,000.00
Elizabeth Bancker Gribbel Memorial	12,000.00
Ellen Clarissa Gross	10,000.00
Charlotte C. Gulliver Memorial	10,040.00
Julia Henrietta and Mary Gulliver	9,528.48
Elizabeth Deering Hanscom	15,653.69
Mary S. Harkness	10,000.00
Marion and S. Ralph Harlow	965.00
Harriet Boyd Hawes—Graduate	12,000.00
Helen Hills Hills 1908	21,250.00
Anna Laura Holbrook	14,508.56
Esther R. Holmes	6,000.00
Ellen Holt 1890	10,005.00
Charlotte Manning Hoover 1932	5,050.42

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Lucia Maria Houpt	2,500.00
Agnes Hunt Memorial—Graduate	1,000.00
Lillia Babbitt Hyde Foundation	20,000.00
William Bertram Imlach	8,650.82
Ruth Eckhart Jarvis 1922	10,500.00
Emily Harris Jones 1936	10,000.00
Florence Hopwood Judd	6,267.50
Caroline E. Kilbon	200.00
Jessie Stevenson Kovalenko	5,000.00
Kresge Foundation	40,000.00
Mary Lanning Memorial	5,000.00
Lathrop Memorial	1,350.00
Latin American—Class of 1890	7,500.00
Caroline Saunders Lindeke 1901	5,255.00
Agnes Linton	1,000.00
Alice and Florence Lord	5,023.64
Jeanette Laws McCabe 1919	25,200.00
Helen Roberts McCormick 1926	10,300.00
Ethelyn McKinney 1895	25,000.00
Barbara McRoy	52,600.79
Carolyn Weston McWilliams	1,000.00
Beatrice Austin Manning	15,000.00
Maplewood Institute Memorial	5,000.00
Helen Ayer Marden	1,000.00
Dorothy R. Mendenhall	1,000.00
Margaret Mitchell	1,010.00
Jean Morron	25,000.00
Dwight W. Morrow	100,000.00
Nellie Eddy Mudge	2,000.00
Miriam Myers Memorial	5,000.00
Ida A. Nathanson Memorial	1,500.00
Ruth Perry Neff 1919 Memorial	4,272.00
William A. Neilson	15,000.00
Oakland	2,000.00
Alice Edgerton Parsons 1928	4,000.00
Barbara Whitney Peck	10,000.00
Harriet and Gurdon Pellett Memorial	44,628.81
Elizabeth Bartlett Phillips	5,000.00
Isabelle Pickering	37,810.11
Ellen Plimpton	7,002.50
Olive Higgins Prouty	21,768.75

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Edith Nichols Putney Memorial	1,771.49
Louise Cornell Rausch	6,960.00
Annie E. Rice	5,000.00
Dagmar Megie Ross 1905 Memorial	19,500.00
Christina Rounds Memorial	6,000.00
Samuel Runner	5,000.00
Lucy J. Russell	1,000.00
Margaret Roberts Sanborn 1907	5,305.00
S C A D S	20,000.00
Benjamin and David Scharps	2,500.00
Alice Goodwin Schirmer	5,000.00
Laura Shedd Schweppe 1900 Memorial	20,000.00
Edith Scott 1909	8,000.00
Sadie D. Scott	8,000.00
Emma E. Scranton	1,000.00
Seaver	10,000.00
St. Agatha—Emma Sebring	6,000.00
Edith Dudley Sheldon	1,500.00
Elsie Damon Simonds	47,950.00
Andrew C. Slater	4,000.00
Anna Margaret Sloan and Mary Sloan	16,807.78
Frances Grace Smith 1893 Scholarship	62,393.44
Frances Grace Smith Fellowship	20,000.00
Louise Smith	51,585.51
Smith College Club of Akron	3,025.00
Smith College Club of Buffalo	100.00
Smith College Club of Cincinnati	13,720.98
Smith College Club of Cleveland	5,987.85
Smith College Club of Detroit	10,117.07
Smith College Club of Fitchburg	5,000.00
Smith College Club of New Haven	10,618.24
Smith College Club of New York	15,000.00
Smith College Club of the North Shore (of Chicago)	8,178.27
Smith College Club of the Oranges	14,156.75
Smith College Club of Philadelphia	8,215.79
Smith College Club of Portland, Oregon	275.00
Smith College Club of Rhode Island	12,000.00
Smith College Club of Seattle	4,461.28
Smith College Club of Winchester	400.00
Jean Fine Spahr Fellowship	24,403.65
Caroline Lounsbury Steele 1892 Memorial	2,913.00

ENDOWED SCHOLARSHIPS

<i>Name of Fund</i>	<i>Amount of Principal</i>
Anne Straw, Class of 1948	20,000.00
Otto Sussman	174,920.89
Emily Hitchcock Terry Memorial	3,000.00
Charles M. Thayer Memorial	3,000.00
Helen Rand Thayer	10,000.00
Julia Ball Thayer	6,000.00
Eva I. Titman	5,000.00
Roslyn Titman	5,000.00
Lulu Morris Wadley Memorial	5,000.00
Rodney Wallace	10,000.00
Sophia Billings Wallace	5,000.00
Sophia Ingalls Wallace	5,000.00
Jane O'Neil Wallis 1933 Memorial	10,505.00
Mary Rankin Wardner 1892 Memorial	4,000.00
Mary Bird Wells 1897 Memorial	11,233.75
Westmoreland County (Pa.)	9,689.00
Julia Carolyn Weston	10,000.00
Margaret White Memorial	5,000.00
White Lodge	2,622.00
Catherine Lasell Whitin	10,100.00
Hiram Whittington	10,000.00
Sarah Watkins Wilder and Sarah Wheaton Whipple-Graduate	10,837.34
Harriet Jane Willard Memorial	5,000.00
Mary E. Wilson 1891 Memorial	5,408.00
Wood	10,000.00
Ella Eames Wood 1883	6,026.52
Robert M. Woods Memorial	5,000.00
Fanny Bullock Workman-Graduate	30,000.00
Josephine Clews Wrightson Memorial	21,500.00
Miscellaneous	275.60
TOTAL	<hr/> \$2,281,156.86

PRIZE FUNDS

The *Alpha Awards* are made annually by a committee of the faculty for excellence in the fields of creative writing, dance, drama, technical art, practical music or composition.

The *Elizabeth Babcock Poetry Prize* fund of \$2500, established by Miss Edith L. Jarvis 1909 in memory of Elizabeth Babcock ex-1911. The income is to be awarded annually for the poem adjudged best by a committee appointed by the Department of English. The competition is open to all undergraduates except

PRIZE FUNDS

those who have already won the prize; the poem submitted may not have been printed previously.

The *Harriet Dey Barnum Memorial Prize* fund of \$300, founded by the Class of 1916, the income to be used for outstanding work in music.

The *Suzan Rose Benedict Prize* fund of \$1085.47, the income to be awarded at the discretion of the Department of Mathematics to a freshman or sophomore who has done outstanding work in differential and integral calculus, the decision being made by the Department.

The *Samuel Bowles Prize* fund of \$2002.69, the income to be awarded to a senior for the best thesis on a sociological or economic subject.

The *John Everett Brady Prize* fund of \$2000, the income of which is awarded for excellence in translating Latin prose and verse. A special examination is set in the spring.

The *Margaret Wemple Brigham Prize* fund of \$850, established in her memory by friends and associates of the Division of Laboratories and Research of the New York State Department of Health, the income to be awarded to a senior for excellence in bacteriology.

The *Amey Randall Brown Prize* fund of \$2000, given by Miss Mabel Brown 1887 in memory of her mother. The income is to be used as a prize for the best essay on a botanical subject.

The *Vera Lee Brown Prize* fund of \$1000. On recommendation of the Department of History the income is awarded for excellence in that subject to a senior majoring in history in the regular course.

The *Yvonne Sarah Bernhardt Buerger Prize* fund of \$5000, the income to be awarded to the undergraduate who has contributed most vitally to the dramatic activities of the College.

The *James Gardner Buttrick* fund of \$1000, given by Mrs Buttrick in fulfillment of her husband's wish, the income to be used for a prize for the best essay on a subject in the field of religion and Biblical literature suggested by a course in that Department and approved by the instructor.

The *Julia Harwood Caverno Prize* fund of \$2000, the income of which is given to an undergraduate for proficiency in Greek language and literature to be tested by an examination upon an assigned portion of Greek literature: in 1951, the *Alcestis* of Euripides; in 1952, the *Odyssey*, Books V and VI.

The *Sidney S. Cohen Prize* fund of \$2500, the income to be awarded at the discretion of the Department of Economics.

The *Dawes Prize* fund of \$1898.57, the income to be awarded for the best undergraduate work in political science.

The *Alice Hubbard Derby Prize* fund of \$2555.34, the bequest of Mr Henry R. Lang in memory of his wife, a member of the Class of 1885. The income is to be used for prizes awarded by the Classics Department to students of the Junior and Senior classes who have shown special proficiency in the study of Greek literature in the original in the year in which the awards are made.

PRIZE FUNDS

The *Hazel L. Edgerly Prize* fund of \$500, founded in memory of Hazel Louise Edgerly 1917, the income to be awarded on the recommendation of the Department to a senior in honors in history for distinguished work in that subject.

The *Settie Lehman Fatman Prize* fund of \$5000, the income to be awarded for the best musical composition preferably in sonata form by a member of the Senior Class or a graduate student who is taking Music 42 or Special Studies in Composition.

The *Henry Lewis Foote Memorial Prize* fund of \$500, given by his wife, Harriett Risley Foote 1886, the income to be awarded for excellence in classwork in the Biblical courses, 11, 25b, 26a, 27a and b, 36a, 39.

The *Clara French Prize* fund of \$5000, founded by Mrs Mary E. W. French, the income to be given to that senior who has advanced farthest in the study of English language and literature.

The *Helen Kate Furness Prize* fund of \$1000, founded by Horace Howard Furness, the income of which is given for the best essay on a Shakespearcan theme. There is no restriction on the length of the essays, but in general they are not to be shorter than 4000 nor longer than 10,000 words. The competition is open to all undergraduates. The subject for 1951-52 is, "The Theme of Government in Shakespeare's Plays"; for 1952-53, "The Relation of Imagery to Theme in Shakespeare's Tragedy."

The *Sarah H. Hamilton Memorial Prize* fund of \$2000, given by her sister Mrs Julia H. Gleason, the income to be awarded for an essay on music.

The *Arthur Ellis Hamm Scholarship Prize* fund of \$5000, founded by Elizabeth Creevey Hamm 1905 in memory of her husband, Captain Arthur Ellis Hamm, the income to be awarded to a freshman on the basis of the year's record.

The *Frances A. Hause Memorial Prize* fund of \$1000, founded in memory of Frances A. Hause 1922, the income to be awarded to the senior who has majored in chemistry and has made the best record in that subject.

The *Mary Augusta Jordan Prize*, consisting of a replica in bronze of the medal given to Miss Jordan in 1921 by the alumnae, is awarded by them through the prize committee of the English Department to a senior for the most original piece of literary work in prose or verse composed by her at any period of her undergraduate course in Smith College. No restriction is made as to subject, style, or length; and the composition may have formed part of the requirements of college study or have been already printed.

The *Florence Corliss Lamont Prize*, a medal to be awarded for work in philosophy.

The *Emogene Mahony Memorial Prize* fund of \$500, founded by Miss Ethel Haskell Bradley 1901, the income to be given for proficiency in organ.

The *Samuel Michelman Memorial Prize* fund of \$500, given in his memory by his wife, the income to be awarded to a senior from Northampton or Hatfield

PRIZE FUNDS

who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Mrs Montagu Prize* fund of \$400, founded by Mrs Abba Louisa Goold Woolson in honor of Mrs Elizabeth Montagu, the income to be awarded for the best essay on the women of Dr Johnson's time.

The *Victoria Louise Schrager Prize* fund of \$2000, given in her memory by her family and Miss Marjorie Hope Nicolson, the income to be awarded annually to a senior who has maintained a distinguished academic record and has also taken an important part in student activities.

The *Andrew C. Slater Prize* fund of \$1000, the income of which is awarded to an undergraduate for excellence in debate.

The *Frank A. Waterman Prize* fund of \$335, the income to be awarded to a senior who has done excellent work in physics.

1951 Awards

PRIZES

Alpha Awards: art, Mary Susan Snyder 1951; creative writing, Margaret Ann Foster 1951; dance, Judith Maraniss 1951; music, Susan Silliman Tracy 1951; drama, Joan Catherine Hassett 1951

Elizabeth Babcock Poetry Prize: Edna Pearl Fontek 1951

Harriet Dey Barnum Memorial Prize: Marjorie Hunter Biggs 1951

Suzan Rose Benedict Prize: Joanne King Berresford 1953, Hélène Enid Steinman 1953

Samuel Bowles Prize: Lore Ruth Dinkelspiel 1951, Eleanor Margaret Quinn 1951

John Everett Brady Prize: Yolanda Marie Astarita 1954

Margaret Wemple Brigham Prize: Isabel Ann Tryon 1951

Amey Randall Brown Prize: Jane Elizabeth Ross 1951

Vera Lee Brown Prize: Elizabeth Emma Dodson 1951

Yvonne Sarah Bernhardt Buerger Prize: Margaret Ellen Bond 1951, Pamela Whitmore Hartman 1951, Joan Catherine Hassett 1951, Florence Margaret Pope 1951, Marjorie Ellen Spitz 1951

James Gardner Buttrick Prize: Virginia von Schilling 1951

Julia Harwood Caverno Prize: Evelyn Byrd Hawkins 1952

Sidney S. Cohen Prize: Elizabeth Stuart Heaton 1951

Dawes Prize: Isabelle Carter Crocker 1951, Ruth Elizabeth Knapp 1951, Judith Murphy 1951

Alice Hubbard Derby Prize: Anna Wood 1952

Hazel L. Edgerly Prize: Ann Schafer 1951

Settie Lehman Fatman Prize: Marie Breckwoldt, Teaching Fellow; Constance Ruth Marantz, Graduate Student

Henry Lewis Foote Memorial Prize: Joyce Kimball Johnson 1953

Clara French Prize: Mary Grace Eames 1951, Mary Janice Elwood 1951

Helen Kate Furness Prize: Mary Janice Elwood 1951

Arthur Ellis Hamm Scholarship Prize: Minerva Heller 1954

Frances A. Hause Memorial Prize: Liebe Deborah Sokol 1951, Gloria Kelminson 1951

Mary Augusta Jordan Prize: Joy von der Goltz 1951

Florence Corliss Lamont Prize: Katherine Anne Spahn 1951

Samuel Michelman Memorial Prize: Francine Ruth Finck 1951

Guthrie McClintic-Katherine Cornell Prize: Anne Derham 1951

Mrs Montagu Prize: Martha Houstoun Sullivan 1951

Phi Beta Kappa Prize: Mary Grace Eames 1951

Victoria Louise Schrager Prize: Ann Schafer 1951

1951 AWARDS

Sigma Xi Plaque: German House

Andrew C. Slater Prize: Rheba Doraline Hopkins 1951, Miriam Broude Schorr 1952

Frank A. Waterman Prize: Lee Hilles 1951

A Prize for Outstanding Work in the Field of International Relations: Isabelle Carter Crocker 1951

FIRST GROUP SCHOLARS*

CLASS OF 1952

Mary Allison	Mary Ellen Greenfield	Dorothy Oxman
Barbara Barber	Sally Griess	Virginia Plews
Peninah Ben-Asher	Sandra Haft	Elizabeth Ann Powell
Edith Bramwell	Benita Hahn	Argyll Rice
Harriett Ann Burnett	Janice Hartman	Alma Rosenfield
May Collacott	Evelyn Hawkins	Claire Rosenfield
Lucy Davis	Marjorie Hecht	Christie Russell
Lola De Amicis	Katherine Hogg	Doris Helene Schlosser
Alice Dunn	Patricia Louise Kelley	Ruth Eva Sender
Barbara Eskridge Lind	Merian Lovelace	Martha Szerlip
Shirley Fleming	Elizabeth Marbury	Marjorie Walker
Elinor Funk	Anita Muriel Meyers	Patricia Wooldridge
Cynthia Gale	Margaret Patricia Montgomery	Lucy Lawrence Worcester
Lois Mae Goldberg	Amy Morrissey	Dorothea Wormser
Mary Susan Gongaware		

CLASS OF 1953

Virginia Jane Anderson	Anne Elizabeth Drye	Judith Plessner
Joanne Berresford	Edith Karen Duke	Josephine Routheau
Rosalie Burns	Judith Feldbaum	Parvin Saidi
Maria Canellakis	Karel Ruth Fierman	Nancy Jane Scott
Rose Church	Marilyn Gaines	Margaret Shook
Elizabeth Cole	Gladys Gordon	Hélène Steinman
Barbara Ann Davies	Katherine Anne Harris	Diana Taylor Waugh
Lucy Dayton	Joan Hauser	Patricia Weed
Emöke de Papp	Julie Anthony Jones	Grace Woodbury
Janine Devys	Marcia Lontz	

* These include the Dwight W. Morrow, the Neilson, the William Allan Neilson, and the Sophia Smith scholars, as well as the Miami Smith Club Scholar and the New York Smith Club Scholar.

CLASS OF 1954

Yolanda Astarita	Shirley Gersumky	Angelica Schaeffer
Helen Bilhorn	Louise Giesey	Judith Schupper
Iris Bowen	Minerva Heller	Consuelo Seidel
Dorothy Bradford	Ella Rhee Kissen	Paula Steward
Virginia Brane	Lois Evelyn Mueller	Jane Truslow
Alice Chase	Anne Murphy	Barbara Tuerk
Claudia Davis	Marcia Nance	Susan Winslow
Enid Epstein	Jane Nichols	Miriam Young
Anna Farquhar	Sylvia Plath	

DEGREES

A.B.

Elizabeth Adams	Diane Sybil Bloomberg
Lois Ritchie Alexander (Kelley)	Katherine Ramsay Blyth
Mary Louise Alexander	Margaret Ellen Bond
Phyllis Riva Allen	Jessie Barton Bontecou
Deborah Jane Andrews	Eleanor Lyman Bostwick
Edith Virginia Arnold	Sarah Harriet Bowen (Hull)
Joan Barbara Aronson	Patricia Bowler
Margery Sellier Arzonico	Anita Mann Bradshaw
Mary Rose Atalla	Nancy Caroline Brainerd
Margot Woodford Balch	Diane Brayton
Isabel Adams Baldwin	Annette Brigham
Meredith Diane Barnes	Hortense Alden Brigham
Cynthia Bartlett	*Deborah Alice Brin
Mary Ellen Barton	Mary Broadwell
Isabel Van Dyck Baxter	Anna Hopkins Brodie
†Mabel Emma Beeman	Virginia Vance Brorby
Joyce Josephs Berger	Alice Cordelia Brown
Roslyn Etta Berkowitz	Stella Wily Brown
Marjorie Ruth Bethell	Violetta Brown
Ann Stephens Bigelow	Barbara Ann Burgner
Marjorie Hunter Biggs	Barbara Martin Burns
Mary Lee Darby Black	Elizabeth Ann Cain (Kunstle)
Mary Agnew Blake	Yildiz Fazilet Canki
Barbara Dana Bliss	Elizabeth Townsend Cannon

† Elected to Sigma Xi

• Elected to Phi Beta Kappa

1951 AWARDS

Alida Livingston Carey
 Madeline Jean Carey
 Elizabeth Woodruff Carlo
 Ming Hui Chang
 Christine Chin
 Frances Beardsley Clark
 Cynthia Anne Clarke
 †*Edith Constance Clarke
 Marjorie Crawford Clarke
 Barbara Frances Cohn
 Mary Stokehill Colby
 Sallie Lucile Colwell
 Evelyn Comey
 Constance Gwinnell Cone
 Nancy Del Coons
 Elizabeth Kathryn Corbit
 Edith Warden Corning
 Marion Eleanor Cowan
 Elizabeth Katherine Cowap
 Jean Frost Craig (Asche)
 Tod Dee Craig
 Anne Churchill Dalby
 Elaine Maria Damaskos
 Elizabeth Laux Davidson
 Donna Jean Davis
 *June Elizabeth Davis
 Patricia Webster Davis
 Betty Jane Dawson
 Mary Eleanor Denny
 Anne Derham
 Dorothy Frances Dershowitz
 Elizabeth Mary de Sibour
 Lucretia Watts De Wolf
 *Abigail Jane Dittmann
 *Elizabeth Emma Dodson
 †Helen Eleanore Dollstedt
 Joan Sharpe Dunakin
 Florence Eggleston
 Ruth Erisman
 Alice Evans
 Mary Lee Evans
 Nancy Elizabeth Falconer

Mildred Kathryn Farquhar
 Justine Farrell
 Patricia Helen Faulkner
 Joan Kearny Fillmore
 Francine Ruth Finck
 Marie Carolyn Finney
 Joan Edwards Fisher
 Mary Irene Fitzgerald
 Mary Elizabeth FitzRandolph
 Ruth Harvey Fleet 2d
 *Marjorie Anne Flory
 Hester McClelland Fogg
 Mary Emily Forsyth
 Louise Sophia Fortier
 Margaret Ann Foster
 *Jocelyn Cunliffe France
 Juliette Adams Freeman
 Joy Natalie Frisch
 Gerda Fuchs
 Martha Jane Furey
 Jean Constance Gibson
 Carol Ann Gidding
 Susan Gordon Gidley
 Athena Georgia Giftos
 Elizabeth Brenda Gilchrist
 Carolyn Talbott Gilger
 Ethelind Appleton Giltinan
 Norma Sue Glinn
 Lois Grace Goddard
 Barbara Joan Goldsmith
 Doris Nancy Goldstein
 *Elaine Bernice Goodman (Miller)
 Joan Barbara Goodman
 Judith Helen Gorfinkle
 Joan Grafton
 Jean Greenthal
 Irene Carroll Gulick
 Carol Jeanne Gurian
 Nancy Andrews Hamilton
 Jean Marie Hansen
 Anne Frances Haon
 Arlene Marilyn Harkavy

Patricia Harley
 †Anne Harrison
 Pamela Whitmore Hartman
 Elizabeth Ayer Hartwell
 Ruth Marilyn Hasfurther
 Joan Catherine Hassett
 Caroline Elizabeth Haven
 Lois Bidwell Hayden
 Ruth Tenney Healy
 Natalie Louise Heap
 *Elizabeth Stuart Heaton
 Marianne Heimbürg
 †Jane Ann Heitmann
 Joan Hellerman
 Julie Bevin Hendrickson
 Margery Ross Hewetson
 Mary Lois Hidden
 Susan Channing Higginson
 Norma Lillian Hill
 Margaret Roberts Hinckley
 Sydney Francis Hinkle
 Madeleine Synyer Hoch
 Nina Wilhelmina Hodgson
 Rheba Doraline Hopkins
 Barbara McConway Horn
 Nancy Dennison Horne
 Joan Frances Horrigan
 Jane Elizabeth Hoy
 Roberta Jane Hudes
 Alice Margaret Ihling
 Betty Jane Inch
 Patricia Anne Ivins
 Rosemary Blanche Jaicks
 Jacquelyn Joy James
 Florence Mary Jameson
 Barbara Ann Johnson
 Barbara-Bradford Johnson
 Martha Suzanne Johnson
 Joyce Jones
 Jane Ann Jordan
 Louise Harvey Jordan
 Ruth Judson

Rita Marie Kamins
 Ruth Kiyoko Kamuri
 Marjorie Jane Kanter
 Nancy Amalie Kaslow
 Roxanne Katz
 Kay Edythe Kaufman
 Katherine Rutherford Keener
 Evelyn Ruth Keller
 Joyce Theodora Kelley
 Cynthia Parsons Kellogg
 Mary Ellen Kelly
 Joan Sidley Kennedy
 Mary Locke Payne Kennedy
 *Thalia Weston Kennedy
 Jacquelyn Wallace Kerr
 Judith Hunter Kimball
 Dorothy Jean Koontz
 Marcia Marilyn Kresel
 Nancy Kugel
 Joan Kurtz
 Deborah Anne Lamb
 Ann Kendrick Lang
 Katharine Lawrence
 Patricia Alice Leadbetter
 Adele Sandra Leavitt
 May Leong
 Sonya Claire Levene
 †*Judith Ann Levenson
 Pearl Marilyn Levine
 Rita Leslie Lifton (Hendel)
 Mary Alice Linen
 Mary Luther Lissenden
 Jane Elizabeth Little
 Dorothy Ann Logie
 Louise-Marie Thérèse Longpré
 †Jo Ann Lord
 Marilyn Aletta Love
 Virginia Burton Lyon
 Myrajo McCleary
 Nancy Lou McClellan
 Joanne Ruth Macdonald
 Marjorie Ann McGahey

1951 AWARDS

Virginia Dix McGinnes
 Jean Campau McGregor
 Sally Harlan Baird McKnight
 Jan McMillan
 Mary Darling MacMurdy
 Nancy Moore McQuigg
 Mary Helen Majo
 Giovanna Eugenia Mancusi-Ungaro
 *Dorothy Mandel
 Katharine Van Alan Mann
 Suzanne Therese Manning
 Judith Maraniss
 Laurette Adelaide Martin
 Elizabeth Nisbet Marty
 †*Diana Hand Mason
 Ruth Ellen Mathews
 Harriet Bruce Matthews
 Margaret Minerva Mehaffie
 Frances Ann Meidinger
 Gloria Dora Messinger
 Beverly Jean Milgram
 Marcella Bingham Miller
 Jeanne Hollyberry Millett
 Olive Hastings Milne
 Grace Lea Miner
 Ruth June Mirkin
 Martha Mitchell
 Mary Leigh Morse
 Anne Brevoort Murphy
 Alice Ross Murray
 Carol van Dorn Mygatt
 Patricia Scott Nash (Denison)
 Laurice Zae Nassif
 Constance Nauman
 Helen Needleman
 Robinette Nixon
 Mary-Louise Elaine Norton
 Stacey Frances Oakes
 Mary-Alice Olentine
 Mary Phillips Osgood
 Anne-Marie Ostling
 Louise Sandra Otto

Robbie Giffen Oxnard
 Georgia Papathanassiou
 Mary Ellen Pappas
 Elizabeth Ann Parrish
 Charlotte Lansing Peabody
 Joan Pepion
 Gertrude Baldwin Perkins
 Mary Ann Peyser
 Louise Moore Phillips
 Julia Pickard
 Selma Joy Pierson
 Diane Pollitz
 Florence Margaret Pope
 Varney Louise Porter
 Katharine Mary Potter
 Anne Perry Preston
 Carol Lenoir Price
 Paula Adele Pursley
 Barbara Jean Quarles
 Virginia Grace Quick
 Jean Ann Radel
 Louise Merrell Rapp
 Marilyn May Reder
 Constance Louise Reeb
 Mary Caroline Reed (Hopkins)
 Anne Reese
 Margaret Crowl Reid
 Nancy Jane Reilly
 Nancy Elma Remley
 Ruth Myra Resnik
 Anne Reuther
 Barbara Duryee Rhodes
 Rosemary Rice
 Anne Loveland Rich
 Ann Jermyrn Richards
 Barbara Ann Richards
 Margaret Pierson Richardson
 Nancy Felice Richmond
 Nancy Ann Rintoul
 Susanne Robbins
 Peggy Jean Robling
 Ann Morris Rosenthal

Rhoda Renée Rosenthal
 Jane Elizabeth Ross
 Patricia Ross
 Elizabeth Jean Rue
 Cordelia Byrd Ruffin
 Martha Eastin Rusk
 Lucia Patricia Russo
 Joan Ryan
 Frances Noble Sackett
 Sarah Kate Safford
 Barbara Salinger
 Marian Adeline Sanzone
 Evthokia Sarris
 Margaret Collins Sauter
 Dorothy Jane Sayce
 Susanne Scheffer
 Janice Sylvia Schick
 Jean Schleisner
 Mary Richardson Schmidt
 Ruth Gilda Schooler
 Louise Benedict Schoonmaker
 Laura Newman Schwab
 Florence Ruth Schwartz
 Nancy Carol Scrimgeour (Curran)
 Elizabeth Alison Scully
 Paula Phelps Secor
 Eugenia Sharp
 Dora Drake Shaw
 Alida White Sherman
 Barbara Jean Shook
 Kirki Sideri
 Alice Lee Silverman
 Elizabeth Sprague Simonds
 Charlotte Edmonds Simpson (Wright)
 Carol Joyce Skoglund
 Donna Jeanne Smith (Reid)
 Leila Ann Smith
 Margaret Cecilia Snyder
 Mary Susan Snyder
 Sally Shannon Sollitt
 Katherine Anne Spahn
 Joan Spillsbury

Marjorie Ellen Spitz
 Nancy Ruth Sproul
 Irene Stein
 Helen Joy Steinbach
 Agnes Mary Stephenson
 Beate Olga Stern
 Katharine Nichols Stevens
 Adrienne Claire Stewart
 Betsy Taylor Stilwell
 Elizabeth Storer
 Anne Lovie Straiton
 Maida Heyward Straut
 Elizabeth Anne Sutherland
 Carol Lucile Swanson
 Joan Moira Swenson
 Katharine Throop Talcott
 Mary Barney Thacker
 Therese Helene Thau (Heyman)
 Helen Themo
 Nancy Abbot Thomas
 Hannah Hall Todd
 Marcia Wolcott Toll
 Susan Spain Tower
 *Susan Silliman Tracy
 †*Isabel Ann Tryon
 Joan Drew Turnbull
 Mary Georgiana Turnbull
 Marjorie Marie Turner
 Virginia Ann Turner
 Ann Seaver Coolidge Upton
 *Margaret Renée Value
 Angela Starr Van Patten
 Helen Johnson Vogel
 Joy von der Goltz
 Christine Windisch von Goeben
 Virginia von Schilling
 Nancy Ronsaville Vreeland
 Mary-Louise Wagman
 Charlotte Patricia Walker
 Shirley Gene Walker
 Joanne Bentley Wall
 Nancy Butler Waller

1951 AWARDS

Ann Warren
Cynthia Watson
Jacqueline Githens Watson
Katharine Lee Watt
Emily Harrison Weathers
Thetis Weaver
Elizabeth Wilson Webster
Molly Muriel Weinstein
Gerry Morgan Wellborn
Joan Wendel
Elise May Wentworth
Mary Jane Whelan
Jane Louise White
Rosemary Wilcox
Hester Fleming Williams

Nola Carol Williams
Julia Sinclair Winton
Virginia Louise Wise
Anne Gardner Wofford
*Barbara Allyn Wolfe
Elinor Morse Wolfson
Janet Woodbury
Ann Mitchell Wyeth
*Cora Priscilla Yates
Joanne Christine Yenney
Jeannette Frances York
Cynthia Youngman

A.B. AS OF THE CLASS OF 1950
Frances Raucher

HONORS

Cum laude

Ann Meredith Atwater (Italian)
Jane Norton Birdsall (History)
Lucy Williams Blanton (English)
Sue Bond (English)
Nellie Marie Cochrane (English)
Josephine Crisfield Connerat (English)
Constance Anne Dulles (History)
Edna Pearl Fontek (English)
Jean Dorothea Hurvins (Government)
Susan Ruth Karelitz (Government)
†*Doris Kraeling (Psychology)
Ann Drummond Leonard (English)
Anne Kelway Libby (Psychology)
*Sara May Miller (History)
Judith Murphy (Government)
Phoebe Lang Reese (Lewis) (English)
Jeanne Marie Rinsey (History)
Patricia Roberts (Latin-American)
†Elizabeth Boyd Robinson (Bacteriology)
Rosalind Pearl Roth (Sociology)

- *Arrial Seelye (History)
- *Rosamond Louise Stephenson (English)
- Lydia Suzanne Weisser (Government)

Magna cum laude

- *Ruth Leila Cohen (English)
- Judith Schuyler Cousins (Art)
- *Isabelle Carter Crocker (Government)
- *Paula Eldot (History)
- *Mary Ann Freedman (Hoberman) (History)
- Elizabeth Jane Hanna (Pease) (History)
- Barbara Hazelwood (Government)
- †*Gloria Kelminson (Chemistry)
- Ruth Elizabeth Knapp (Government)
- *Blythe Elspeth McVicker (Clinchy) (Government)
- *Nancy Mazur (Sociology)
- †*Cornelia Howard Peek (Mathematics)
- Eleanor Margaret Quinn (Economics)
- *Rita Fay Sillman (Cohen) (Government)
- †*Liebe Deborah Sokol (Chemistry)
- Martha Houstoun Sullivan (English)
- Joan Vickery (Government)
- *Iris Lane Warren (Sociology)
- *Evelyn Erica Weissmann (Sociology)

Summa cum laude

- *Lore Ruth Dinkelspiel (Cochrane) (Sociology)
- *Mary Grace Eames (English)
- *Mary Janice Elwood (English)
- †*Lee Hilles (Physics)
- *Lyle Sybil Lobel (Sociology)
- †*Ann Stirling Putzki (Zoology)
- *Ann Schafer (History)

CERTIFICATE OF GRADUATE STUDIES

Seyhan Nurettin Ege, B.S., American College for Girls, Istanbul, 1949. Chemistry.
 Vlasta Anna Matochova Franci, First State Examination, Masaryk University,
 1947. English.

1951 AWARDS

Marcella Masoero, Dottore in Fisica, Università degli Studi di Torino, 1949. Physics.

Carmen Maria Mattos Martins dos Santos, Licenciado em Letras Anglo-Germânicas, Universidad da Bahia, 1947. English.

Insea Annette Schuecking, Staatsexamen, Universität Marburg, 1950. English.

M.S. IN PHY. ED.

Mary Monroe Bell, B.S. IN ED., Illinois State Normal University, 1947.

Edith Betts, B.S., University of Wisconsin, 1943.

Mildred Marguerite McConnell Brown, B.A., Fisk University, 1931; B.S. IN PHY. ED., Tuskegee Institute, 1944.

Grace Ann Butterweck, B.A., Ohio Wesleyan University, 1950.

Jean Kelsey Campbell, B.S., Skidmore College, 1948.

Mary Ruth Carson, B.S., University of Pittsburgh, 1949.

Phoebe Jane Harris, A.B., Syracuse University, 1950.

Mary Elizabeth Lick, A.B., Lake Erie College, 1946.

Caryl Miriam Newhof, B.S. IN PHY. ED., Boston University, 1948.

Barbara Jane Riebel, A.B., Wilson College, 1949.

Grieta Vorster Van der Walt, B.A., Universiteitskollege van die Oranje-Vrystaat, 1948.

ED.M.

Eleanor Jean Hinsley, B.S., University of Massachusetts, 1948.

Jean Lois Lieder, B.S., Syracuse University, 1950.

A.M.

Doris Elizabeth Abramson, B.A., University of Massachusetts, 1949. Theatre.

Marie Breckwoldt, A.B., Smith College, 1948. Music.

Marie Patricia Brugge, A.B., Bowling Green State University, 1949. Botany and Plant Genetics.

Mary Teele Campbell, B.S., Teachers College, Columbia University, 1941. Education and Child Study.

Mildred Ann Campbell, B.S., George Washington University, 1949. Zoology.

Jean Ellen Carr, B.S., University of New Hampshire, 1949. Chemistry.

Joy Kathleen Fleming, A.B., University of Rochester, 1949. Music.

Elaine Geisse, A.B., Smith College, 1948. Geology and Geography.

Sara Gordon Haltiwanger, B.M., Salem College, 1947. Music.

Margaret Hiroko Hashimura, A.B., Brown University, 1950. Physics.

Janet Elizabeth Helfrich, B.A., Carleton College, 1950. English.

Barbara Diantha Hobson, A.B., Connecticut College, 1948. History.

Georgiana Hwei-ying Hsüeh, A.B., Wesleyan College, 1949. Mathematics.

1951 AWARDS

- Ding-djung Hwang, B.S., University of California, 1950. Chemistry.†
 Sheelagh Jefferies, B.A., Girton College, Cambridge University, 1947. Government.
 Dolores Elizabeth Jones, A.B., Spelman College, 1950. English.
 Jean Carol Kenney, A.B., Queens College, 1950. History.
 Ann Irene Kilbride, A.B., Grinnell College, 1949. Physics.
 Beryl Lois Lake, B.A., Bedford College, University of London, 1950. Philosophy.†
 Leah Leisman, A.B., Brooklyn College, 1949. Music.
 Marion Elizabeth Linde, A.B., Smith College, 1945. History.
 Eva Gabriele Lindemann, Universität Heidelberg. Government.
 Jane Adelaide Manna, A.B., Hunter College, 1950. English.
 Constance Ruth Marantz, A.B., Smith College, 1950. Music.
 June Anne Moyer, A.B., Bryn Mawr College, 1950. English.
 Rachael Addie Quant, A.B., Hamline University, 1942. Music.
 Elvira Strasser Rapaport, B.S., Washburn College, 1943. Mathematics.
 Florence Rosenfeld, A.B., Hunter College, 1950. English.
 Cleone Virginia Miller Rotan, A.B., Smith College, 1948. Geology and Geography.
 Lucy Marilyn Roth, B.S., Bates College, 1949. Chemistry.
 Eva Jacobson Rozen, A.B., Brooklyn College, 1949. French.
 Dorothy Gertrude Smith, A.B., Mount Holyoke College, 1946. English.
 Marion Davis Smith, A.B., Radcliffe College, 1946. History.
 Elizabeth Rae Sweeney, B.S., Hunter College, 1950. Music.
 Vivian Decker Taylor, B.A., Ohio Wesleyan University, 1949. Psychology.
 Joy Arlene Wilmunen, A.B., Hamline University, 1949. English.

† With distinction

HONORARY DEGREES

A.M.

Constance Chilton

L.H.D.

Malvina Hoffman

Sc.D.

Olive Watkins Smith

Sc.D.

Cecilia Payne Gaposchkin

LL.D.

Mary Kingsbury Simkhóvitch

1951 AWARDS

SCHOOL FOR SOCIAL WORK DEGREES

August, 1951

M.S.S.

MARGARET ANN ALBRITTON, B.S. IN ED. 1945 University of Dayton
ELEANOR JANET ALLEN, A.B. 1939 Skidmore College
MARY ELIZABETH BAKE, A.B. 1928 University of Cincinnati
MARGARET WILSON BECKNER, A.B. 1945 Smith College
JANE WILHELMINA BIDLACK, A.B. 1948 University of Rochester
PENELOPE SWANEY BOUKNIGHT, B.A. 1946 Converse College
RUTH SHAW BRADBURY, S.B. 1935 Simmons College
*HELEN MARIE BUSS, A.B. 1930 College of New Rochelle
RUTH KATHRYN CARPER, B.S. IN ED. 1930 State Teachers College (Millersville, Pa.)
ELEANOR CLARK, B.A. 1949 Lake Forest College
ISABEL MACRAE CURRY, B.A. 1943 Russell Sage College
JUANITA MARIE DAWKINS, A.B. 1947 Hunter College of the City of New York
ELIZABETH MAJOR DENNY, A.B. 1949 Central College
OLIVE VOGEL DOWER, A.B. 1946 William Smith College
JANICE KENIK FISHER, B.E. 1948 New York State Teachers College (New Paltz)
NANCY VOSE GILSON, B.A. 1947 State University of Iowa
BETTY JEAN HAASIS, B.S. IN COM. 1945 Texas Christian University
JOAN HERRICK, A.B. 1945 Denison University
MARY ELIZABETH JAMESON, A.B. 1949 Syracuse University
ELIZABETH EMMA KAISER, A.B. 1949 Temple University
MARJORIE MAY KELLOGG, A.B. 1950 Santa Barbara State College
DOROTHY ESTELLE KUHNERT, A.B. 1944 University of Rochester
PATRICIA ABBIE LADD, A.B. 1949 Cornell University
RIGMOR ERICKSON LEO, A.B. 1949 Brooklyn College
GRACE MARY LITTLEJOHN, A.B. 1941 Limestone College
MARIE EMMA MARSH, A.B. 1946 Elmira College
BETTY JANE MESSLER, B.S. 1943 University of Dayton
BARBARA HETZLER OLSEN, B.S. 1940 University of Dayton
LUCILLE MAE PAZANDAK, B.S. 1938 University of Minnesota
ELIZABETH DYNER PILZER, A.B. 1946 Hunter College of the City of New York
JUANITA JEAN PROEBSTEL, B.S. 1947 University of Minnesota
SUSAN ELIZABETH RYAN ROBERTSON, A.B. 1949 Smith College
ILSE WALLIS ROSS, B.A. 1949 Bard College
MARGARET BOWMAN RULE, B.A. 1931 Oklahoma College for Women
HELEN ROBERTA RUPKEY, A.B. 1942 Butler University
JANET ELIZABETH RUTHHART, B.M.E. 1941 Northwestern University

* As of 1949

1951 AWARDS

NAOMI RUTH SCHOTT, B.S. 1949 New York University
ESTELLE SHIRLEY SCHWARZMAN, A.B. 1949 George Washington University
CELIA DERENE SEPLIN, A.B. 1943 Hunter College of the City of New York
CAROL MCCLENTHEN SHELDON, A.B. 1944 Barnard College
LILLIAN LEB SILBERGER, A.B. 1949 Western Reserve University
MARY HELEN STARK, A.B. 1928 Mount Holyoke College
ALLIS WEIR STEVENSON, B.A. 1948 State University of Iowa
JANE GLADYS THOMPSON, A.B. 1941 St. Olaf College
ALICE HOLLAND TILLINGHAST, B.S. IN ED. 1950 Temple University
JOAN TUNICK, A.B. 1950 Antioch College
MARY LOUISE WARING, A.B. 1949 Duke University
ANNETTE HUDSON WEST, B.S. in Social Science 1935 and M.S. in Social Work 1936
College of William and Mary
HELEN ANN FRANTZ WILSON, B.S. 1941 St. Bonaventure College
ANIELA MARY WIZERT, B.A. 1938 American International College

Smith College School for Social Work

THE STAFF

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SOPHIE T. CAMBRIA, PH.D.	<i>Editor of Smith College Studies in Social Work</i>
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ELEANORE WEIDHAAS CAREY	<i>Secretarial Assistant</i>
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GRACE K. NICHOLLS, M.S.S.	<i>Supervisor of Field Work Social Casework</i>
JENNIE MOHR, PH.D.	<i>Supervisor of Social Research</i>
ALFRED J. KAHN, M.S.	<i>Supervisor of Social Research Research and Community Organization</i>
NORMAN A. POLANSKY, PH.D.	<i>Supervisor of Social Research Group Work</i>
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MIRIAM P. HART, M.S.S.	<i>Public Welfare</i>
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OTHILDA KRUG, M.D.	<i>Child Psychiatry</i>
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GEORGE E. LODGEN, A.B., LL.B.	<i>Law</i>
JAMES MANN, M.D.	<i>Psychiatry</i>
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IRMA RITTENHOUSE, A.B.	<i>Economics</i>
ROBERT A. YOUNG, ED.D.	<i>Psychiatry</i>

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

ORGANIZATION OF THE SCHOOL

The Smith College School for Social Work was organized in 1918 as a graduate school in which to prepare psychiatric social workers for the war emergency. During 1918 and 1919 an intensive course of theory and a period of supervised practice were given to those who were graduated. These at once found their places in hospitals and social agencies. It was soon recognized that an approach to problems of social maladjustment through an understanding of the personalities involved was valid for every form of social casework. The Smith School therefore continued after the war emergency as a graduate professional school of social work and became a charter member of the American Association of Schools of Social Work.

The first decade of the growth of the School corresponded to the period when the mental hygiene movement was enlarging its scope to include not only the better care of cases of mental illness and mental defect, but prevention of delinquency and the development of child guidance clinics. Psychiatric social workers were eagerly sought for the casework staffs of hospitals and community clinics and to carry preventive mental hygiene into courts, schools, and the public services. Social casework is a professional service which requires scientific knowledge and disciplined skill. Competent practice calls for the exercise of judgment and discretion.

EDUCATIONAL PLAN

The educational plan of the Smith College School for Social Work is based on the premise that there is a basic core of knowledge and skill in social work which transcends the specializations. The educational program is so planned as to offer sound orientation in the broad aspects of social work and the development of professional competence in the practice of social casework. Graduates are prepared to hold casework positions in a wide variety of private and public agencies and to advance to supervisory and administrative responsibilities.

Classroom Instruction

Academic study is designed to provide such knowledge from the disciplines of medicine, psychiatry, psychology, law, and the social sciences as is required for the practice of social work. The courses in the methods of social casework integrate this factual knowledge and develop the principles and skills inherent in practice. Other courses in the broad field of social work cover theory and method in such areas as public welfare, child welfare, group work, administration, and community organization. Basic considerations in carrying on research in social casework are reviewed in a course that serves as an introduction for individual work on a thesis.

In order to carry out this educational policy the curriculum consists of a relatively few units of instruction covering basic areas rather than being broken up into many elective courses. For example, the basic course in public welfare aims

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

to develop a sound comprehension of the scope and objectives of the field and to give a working knowledge of the varied individual programs on the federal, state, and local levels as they operate to meet the total needs of individuals. In the same way the casework courses demonstrate the application of casework principles in family casework, child welfare, psychiatric social work, and medical social work.

Courses offered in any one term are planned as a sequence and to achieve a total integration. Emphasis is placed on the discussion rather than the lecture method of teaching in the endeavor to train for independent and resourceful thinking. The educational process is strengthened by the fact that all the students live together on the campus of Smith College during the summer session and thereby are encouraged in continuous group thinking, mutual criticism, and discussion of the problems in the field of social work.

Field Instruction

Field work is an integral part of the curriculum, and academic credit is given for it. Students are assigned to agencies in small groups for a long and continuous practice period. This enables the student to become a participating member of the agency and community, and further the development of a professional attitude and point of view. Responsible participation under guidance during the field work gives opportunity to develop competence and self-reliance in casework practice.

Thirty-five agencies in twenty cities are affiliated with the School. These are located in large urban centers such as Community Service Society in New York, Judge Baker Guidance Center in Boston, and in smaller communities, thereby providing contrasting experience in the two winter field placements. Students are placed under a supervisor who is highly qualified as practitioner and teacher. Members of the staff, administrators, consulting psychiatrists, and research specialists participate in the educational program. These factors assure good theoretical teaching as well as the acquisition of sound and skillful methodology.

Carefully selected and supervised reading is assigned to supplement and enrich the practice period in the field. In addition to individual instruction each agency is asked to offer a weekly seminar throughout the winter.

During the field work period thesis subjects are selected and worked on under the guidance of members of the School faculty. The preparation of a thesis is regarded as part of a student's training for a profession that looks to research for advancement of its theory and practice.

Continuous supervision from the School is maintained throughout the field work period by regular visits of faculty.

Curriculum

Plan A, the regular curriculum, covers three summer sessions in academic study on the Smith campus and two winter sessions in field work in agencies selected by and responsible to the School for the educational work.

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

Plan B covers two summer sessions of academic study at the School and an intervening winter session in field work. It is designed for students who have had adequate graduate preparation or satisfactory experience in an approved casework agency.

Plan C admits persons for a single summer session. Full credit will be given toward the degree provided the student is accepted for readmission to complete the course within a period of two years.

The School *Catalogue* giving full details for the coming year will be sent upon request.

Degrees

The Trustees of Smith College, on the recommendation of the staff, grant the degree of Master of Social Science (M.S.S.) on the following conditions: (a) Completion of the period of residence, namely, a minimum of five quarters of full-time work. (b) Satisfactory completion of the courses required, unless exempted by examination when advanced work may be substituted. (c) Satisfactory completion of a thesis.

Admission

The Smith College School for Social Work is open to women graduates of approved colleges who have completed at least twenty semester hours in the social and biological sciences. Inquiries and requests for applications for admission should be addressed to the Director, Smith College School for Social Work, Northampton.

Expenses

The fee for each summer session is \$350 which covers tuition, room, and board. For each winter session the fee is \$125.

During the periods of field work the students are personally responsible for their own maintenance and may not accept salaried positions.

Scholarships

Scholarship aid is available during the winter sessions. Certain state hospitals offer internships which cover all living expenses of the students who are assigned to them for their field experience; other agencies grant a number of scholarships ranging from \$800 to \$1000. A few larger scholarships are provided by agencies for students in the second year. All applications should be made to the Director before April 1, 1952.

SMITH COLLEGE SCHOOL FOR SOCIAL WORK

Calendar 1952-54

First Session	June to September, 1952
Second Session	September 1952 to June 1953
Third Session	June to September, 1953
Fourth Session	September 1953 to June 1954
Fifth Session	June to September, 1954

Seminars

The School offers a series of two-week seminars in July open to experienced social workers, and limited to twenty-five members. The seminars are conducted on the discussion method under the leadership of outstanding practitioners.

PROGRAM OF ADVANCED STUDY

(Third Year)

This program of twelve months, July to July, is designed for experienced graduate caseworkers in preparation for practice, supervision, teaching, and administration. It is assumed that candidates undertaking this advanced curriculum will be preparing for positions of increased responsibility and leadership.

The program consists of formal course instruction, supervised field experience, and independent study. Seminars in casework and psychiatry are designed to improve the student's mastery of casework principles through a more thorough understanding of the dynamics of personality and social environment and of treatment methods. Seminars in teaching method and administrative process examine the educational and psychological principles involved. Agencies, clinics, and hospitals that are outstanding as teaching centers are used for field work.

The course is open to graduates of approved schools of social work who are well prepared in psychiatrically oriented casework, and who, following graduation, have had a minimum of three years of successful experience in a qualified case-work agency.

The Board of Trustees of Smith College, upon the recommendation of the Faculty, will grant a diploma to students who satisfactorily complete the course.

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Assistant

RUTH SELDEN GRISWOLD, A.B.

Bursar and Advertising Manager

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EDITH NAOMI HILL, A.B., A.M. (hon.)

Honorary Editor Alumnae Quarterly

HARRIET HITCHCOCK, A.B.

Alumnae Fund Secretary

ELEANOR HOWARD

Assistant

DOROTHY ELEANOR LEDOUX

Assistant

GRACE ALLARD MATZ

Assistant

HARRIET ANDERSON PHELPS

Assistant

HAZEL HOWARD TURNER

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Summary of Students in College

1951-1952

FRESHMAN CLASS (1955)	616
SOPHOMORE CLASS (1954)	569
JUNIOR CLASS (1953)	519
France	28
Guest students	6
Geneva	28
Guest students	6
Italy	4
Guest students	4
Mexico	7
Guest students	5
Toronto	7
SENIOR CLASS (1952)	457
Mexico	1
Out of residence	7
TOTAL UNDERGRADUATES	2161
GRADUATE STUDENTS	111
NONCOLLEGIATE STUDENTS	9
NONRESIDENT FELLOWS AND SCHOLARS	9
TOTAL	2290

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

	Class of 1955	Class of 1954	Class of 1953	Class of 1952	Graduate Students
Alabama	1		1		1
Arizona	1	2	2	2	1
California	16	11	5	8	
Colorado	8	4	8	4	
Connecticut	50	62	47	40	4
Delaware	3	2	2	2	
Washington, D.C.	13	10	6	7	
Florida	2	5	4	5	
Georgia	2		3	4	
Illinois	26	24	31	16	3
Indiana	9	4	4	6	4
Iowa	2	2	2	2	1
Kansas		3	1		
Kentucky	4	1	4	3	
Louisiana	1	1			
Maine	5	8	3	4	3
Maryland	8	4	6	6	2
Massachusetts	89	74	89	78	29
Michigan	12	12	7	11	1
Minnesota	12	12	7	5	
Mississippi		1			
Missouri	15	9	9	5	
Montana		1			
Nebraska		3		1	
New Hampshire	4	5	5	3	3
New Jersey	45	39	42	33	3
New Mexico	1	1		2	
New York	142	143	119	110	11
North Carolina	3		1	1	
North Dakota		1			
Ohio	38	28	28	26	4
Oklahoma	5	4	2		2
Oregon	1	3	2	2	
Pennsylvania	47	25	35	21	5
Rhode Island	9	7	3	9	2
South Carolina	1	4	1	1	1
Tennessee	3	3	1	1	
Texas	7	16	4	7	1
Utah			1	1	

GEOGRAPHICAL DISTRIBUTION

Vermont	3	4	4	3	2
Virginia	5	4	7	5	1
Washington	4	7	1	1	2
West Virginia	3			2	
Wisconsin	8	10	5	8	
Wyoming		1			1
	<u>608</u>	<u>560</u>	<u>502</u>	<u>445</u>	<u>87</u>
Argentina	1				1
Australia					1
Austria					1
Bolivia		1			
Brazil				1	1
British Malaya			2		
Burma					1
Canada	2	1	2	1	3
Canal Zone			1	1	
Chile		1			
China				1	
Cuba			1		
Egypt					1
England			2		3
Finland					1
France					2
Germany			1		1
Greece		1	1	2	
Guatemala	1	1	1		
Hawaii	1	3		3	2
Holland			1		
Iceland				1	
Iran			1		1
Japan			1		
Lebanon				1	
Mexico	1	1			
Philippines			1		1
Puerto Rico				1	
Scotland					1
Sweden			1		
Thailand			1		
Turkey					1
Uruguay					1
Venezuela	2				1
	<u>616</u>	<u>569</u>	<u>519</u>	<u>457</u>	<u>111</u>

Schedule of Midyear Examinations for the Year 1952-53

This schedule should be consulted before courses are elected.

The term "sectioned course" as used in this schedule means a course in which there are no hours of meeting in common for all the students of the course. Examinations for courses not included will be arranged before the examination period.

	<i>Wed. Jan. 21</i>	<i>Thurs. Jan. 22</i>	<i>Fri. Jan. 23</i>	<i>Sat. Jan. 24</i>	<i>Mon. Jan. 26</i>
8:00- 10:20	General Literature 291 Hygiene 11a	All classes scheduled for W Th F 3 except sectioned courses	Mathematics 12 Mathematics 13 Mathematics 21 Mathematics 22a	All classes scheduled for Th F 4 except sectioned courses	French 22a
10:30- 12:50	All classes scheduled for M T W 10 except sectioned courses	All classes scheduled for M T W 2 except sectioned courses	French 11D French 12 French 13 French 16 French 26	All classes scheduled for M T W 12 except sectioned courses	Psychology 12
2:30- 4:50	All classes scheduled for M T 4 except sectioned courses	History 11	All classes scheduled for M T W 3 except sectioned courses	Physics 11 Physics 12 Theatre 12	All classes scheduled for M T W 11 except sectioned courses

Schedule of Midyear Examinations for the Year 1952-53

Continued

	<i>Tues. Jan. 27</i>	<i>Wed. Jan. 28</i>	<i>Thurs. Jan. 29</i>	<i>Fri. Jan. 30</i>
8:00-10:20	Philosophy 11 Philosophy 24	All classes scheduled for W Th F 2 except sectioned courses	Music 11 Music 21 Music 22	All classes scheduled for Th F S 10 except sectioned courses
10:30-12:50	All classes scheduled for Th F S 11 except sectioned courses	Speech 11a Speech 14 Speech 22a	All classes scheduled for Th F S 9 except sectioned courses	All classes scheduled for Th F S 12 except sectioned courses
2:30-4:50	Economics 21	All classes scheduled for M T W 9 except sectioned courses	Italian 11 Italian 11D Spanish 11 Spanish 11D Spanish 12 Spanish 16 Spanish 25	German 11 German 11D German 12 German 26

INDEX

- Academic divisions, 29, 39
- Academic Record, 44
- Acceleration, 39
- Administrative Officers, 19
- Admission, 35
 - Advanced standing, 38
 - Entrance requirements, 35, 36
 - Entrance tests, 36, 37
 - Foreign students, 38
 - Graduate students, 140
 - Noncollegiate students, 38
- Advisers, 28
- Alumnae Association Officers, 175
 - Presidents of Clubs, 176
- American Studies major, 136
- Architecture & Landscape Architecture
 - courses, 50, 53, 54
- Art courses, 50
- Astronomy courses, 54
- Auditors, 38, 46
- Awards, 157
- Bacteriology courses, 96; major, 137
- Biblical Literature courses, 118
- Bills, 2, 146
- Board, 146, 148
- Botany courses, 57
- Buildings, 143
- Buildings & Grounds, Department of, 25
- Calendar, College, 5; yearly, 4
- Certificate for Foreign Students, 140, 165
 - of Graduate Studies, 165
- Chemistry courses, 60
- Child Study courses, 67
- Classical Languages & Literature, 62
- Classics courses, 64
- College Board tests, 36; regulations, 37
- College Transfer Test, 38
- Committees, Faculty, 27
- Cooperative houses, 145, 148
- Correspondence, Names for, 2
- Counselors, Board of, 6
- Courses of Study, 47
- Curriculum, 39
- Dance courses, 110, 131
- Day School, 25, 32, 144
- Deaf, Teaching of the, 72
- Dean's List, 45
- Degrees conferred 1951, 159, 166, 167
- Degrees, Requirements for
 - Bachelor of Arts, 39
 - Doctor of Philosophy, 140
 - Master of Arts, 140
 - Master of Education, 140
 - Master of Science in Physical Education, 111, 140
 - Master of Social Science, 169
- Deposits, 35, 42, 146
- Divisions of the curriculum, 39
- Economics courses, 66
- Education courses, 69
- Election of courses, 45, 46
- Elisabeth Morrow Morgan Nursery School, 25, 32, 144
- English courses, 73; requirement, 40
- Entrance requirements, 35, 36; tests, 36, 37, 38
- Examination schedules, 184
- Exclusion from college, 45, 109
- Expenses, 42, 146, 173
- Faculty, 7
- Failures, 45, 109
- Fees, for auditors, 38
 - Graduation, 146
 - Gymnasium suits, 146
 - Junior Year Abroad, 42
 - Noncollegiate students, 38
 - Practical music, 146
 - Practice rooms, 146
 - Registration, 35, 146
 - Scholastic Aptitude & Achievement Tests, 37
 - School for Social Work, 173
 - Sports, 109, 146
- Fellowships, 140, 148
- First Group Scholars, 158
- Foreign Students, 38
- French courses, 77
- Freshman requirements, 40
- Geographical distribution of students, 182
- Geology and Geography courses, 80
- General Literature major, 136
- Genetics Experiment Station, 24, 57
- Genetics courses, 59, 133
- German courses, 84
- Government courses, 87
- Grades, 39, 44, 45
- Graduate Study, 140
- Greek courses, 63, 119
- Gymnasium suits, 109, 146
- Heads of House, 26, 142

- Health, 142
- Health Service, 22
- Hebrew course, 119
- History courses, 90
- History of Smith College, 30
- Honors, 44; conferred, 164, 167
- Houses, 141, 145
- Hygiene courses, 95; requirement, 40, 95
- Infirmiry, 22, 145
- Insurance, 142
- Interdepartmental courses, 48, 49
- Interdepartmental majors, 41, 136
- Italian courses, 97
- Junior requirements, 40, 41
- Junior Year Abroad, 32, 42
- Key to symbols and abbreviations, 7, 47
- Language houses, 33, 145
- Language requirement, 40
- Latin courses, 63, 64
- Library, 23, 143
- Loans, 148
- Major, the, 41
- Mathematics courses, 99
- Midyear Examination schedule, 184
- Minimum of hours, 38, 39, 41, 46
- Museum of Art, 24, 143
- Music courses, 101
 - Entrance requirements, 104
 - Fees for practical music, 146
- Noncollegiate students, 38
- Nursery School, 25, 32, 144
- Phi Beta Kappa Society, 45
- Philosophy courses, 106
- Physical Education courses, 109
 - Courses in Teacher Training, 110
 - Requirement, 109
- Physics courses, 112
- Physiological Chemistry major, 138
- Plant, 143
- Portuguese courses, 126
- Premedical Science major, 138
- Prizes, 153, 157
- Professional Schools, preparation for, 137, 138, 139
- Psychology courses, 115
- Radio course, 131
- Reading Clinic, 69
- Readmission, 38
- Registrar's List, 45
- Registration, 35; for freshmen, 5
- Religion courses, 118
- Religious life, 142
- Requirements for Admission, 35, 36, 38
 - College requirements, 39, 40, 41
- Residence, 141; required, 38
- Residence scholarships, 148
- Riding fees, 109, 146
- Room assignments, 35, 141
- Rules for election of courses, 45, 46, 47
- Russian courses, 121
- Scholars, List of, 158
- Scholarship, 44
- Scholarships, 147, 173
 - Endowed, 149
 - First Group, 147
 - Residence, 148
- Scholastic Achievement Tests, 36
 - Aptitude Tests, 36
- Self-help, 148
- Senior requirements, 40, 41
- Shortage of hours, 38, 45, 46
- Sigma Xi, Society of the, 45
- Signs and abbreviations, 7, 47
- Smith College Day School, 25, 32, 144
- Social Work, School for, 24, 170
 - Degrees conferred, 168
- Sociology courses, 122
- Sophomore requirements, 40
- Spanish courses, 126
- Speech courses, 128
- Sports fees, 109, 146
- Students' Aid Society, 2, 148
- Students, summary of, 181
- Teaching Fellows, 17
- Teaching fellowships, 140
- Teaching requirements, 69
- Theatre courses, 130
- Trustees, Board of, 6
- Tuition, 146
- Visitors, 2
- Vocational counseling, 142; Office, 19
- William Allan Neilson Chair, 34
- Withdrawal from college, 35, 109, 146
- Zoology courses, 132





